

Alquist-Priolo Earthquake Fault Zones

Earthquake Fault Zones

- San Andreas-North Golden Gate
- San Andreas -- Peninsula
- San Andreas -- Santa Cruz
- Rodgers Creek
- North Hayward
- South Hayward
- Northern Calaveras
- Central Calaveras
- Sargent
- Maacama
- West Napa
- Concord/Green Valley
- Greenville
- Northern San Gregorio

Major Roads

Local Roads

Water



Scale: 1 inch equals 18.52 miles

Reproduced with permission, California Geological Survey from CD-ROM 2001-04 (2001), Official Map of Alquist-Priolo Earthquake Fault Zones

This interactive map was created using digital files of AP EFZ quadrangles and is considered an electronic facsimile of the Official Alquist-Priolo Earthquake Fault Zone map. If there is any doubt or conflict with respect to the location of EFZ boundaries, the original clear-film overlay compiled by and on file with CGS is the official version of the map. Fault information in these digital files is not sufficient to serve as a substitute for the geological site studies required under Chapter 7.5 of Division 2 of the California Public Resources Code.







For more information visit:
<http://www.consrv.ca.gov/CGS/rghm/ap/>

This map is available at:
<http://quake.abag.ca.gov/>



San Andreas-North Golden Gate Earthquake - Magnitude 7.5

**ABAG
Earthquake Shaking Scenario**Modified Mercalli Intensity
Shaking Severity Level

-  X-Very Violent
-  IX-Violent
-  VIII-Very Strong
-  VII-Strong
-  VI-Moderate
-  V-Light



Scale: 1 inch equals 18.31 miles

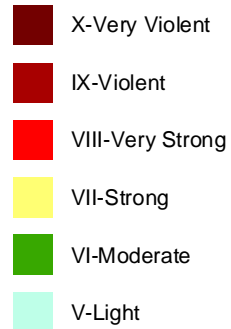
This map is intended for planning use only,
and is not intended to be site-specific.
Rather, it depicts the general risk within
neighborhoods and the relative risk from
community to community. Intensities may be
incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

Source: ABAG Earthquake Program, June 2004



San Andreas-Peninsula Earthquake - Magnitude 7.2

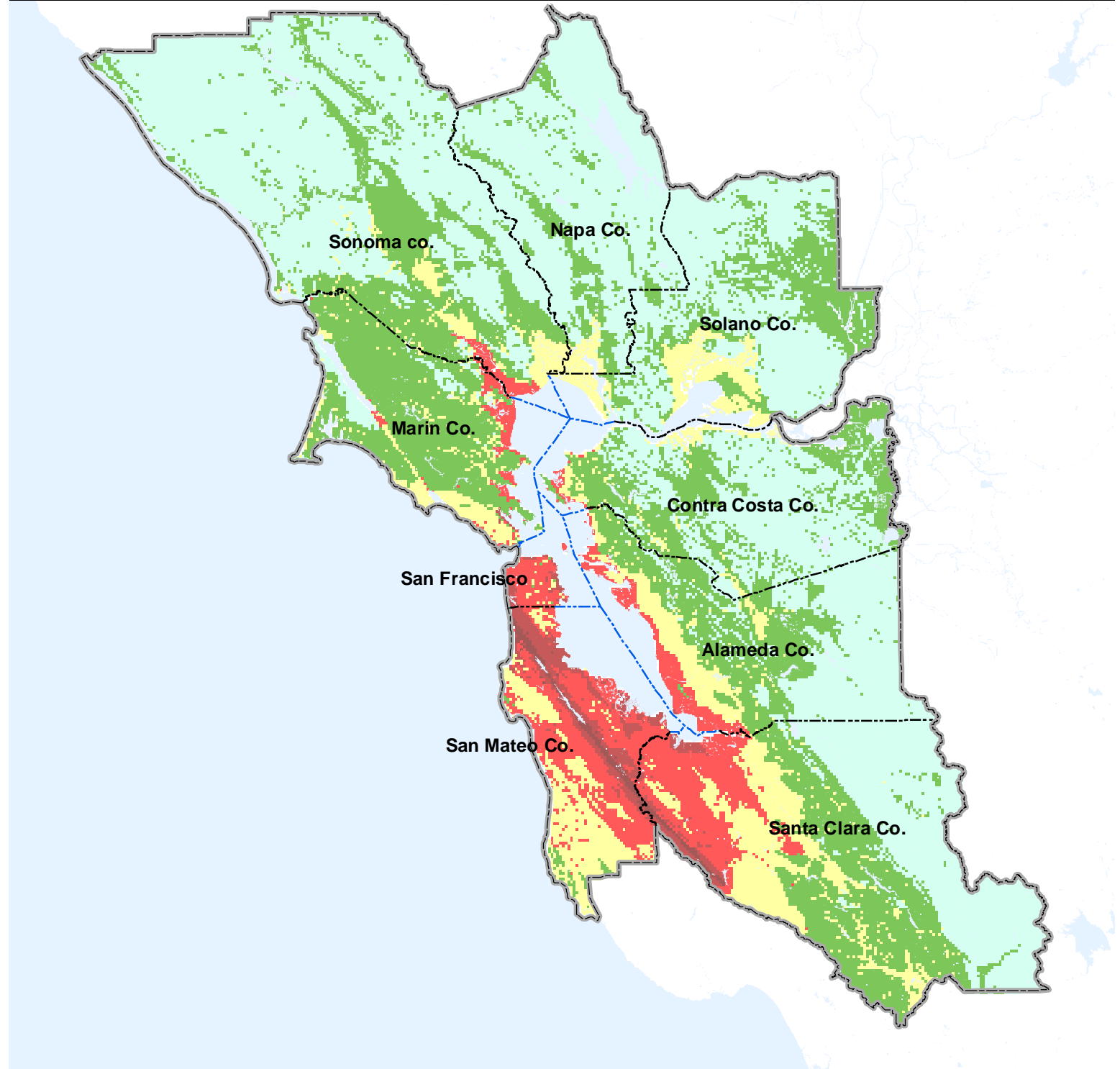
**ABAG
Earthquake Shaking Scenario**Modified Mercalli Intensity
Shaking Severity Level

Scale: 1 inch equals 18.31 miles

This map is intended for planning use only,
and is not intended to be site-specific.
Rather, it depicts the general risk within
neighborhoods and the relative risk from
community to community. Intensities may be
incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

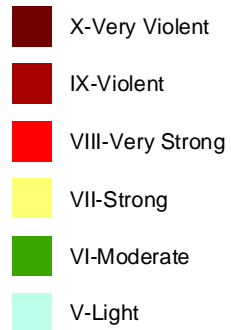
Source: ABAG Earthquake Program, June 2004



Model of the 1989 Loma Prieta Earthquake - Magnitude 6.9

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

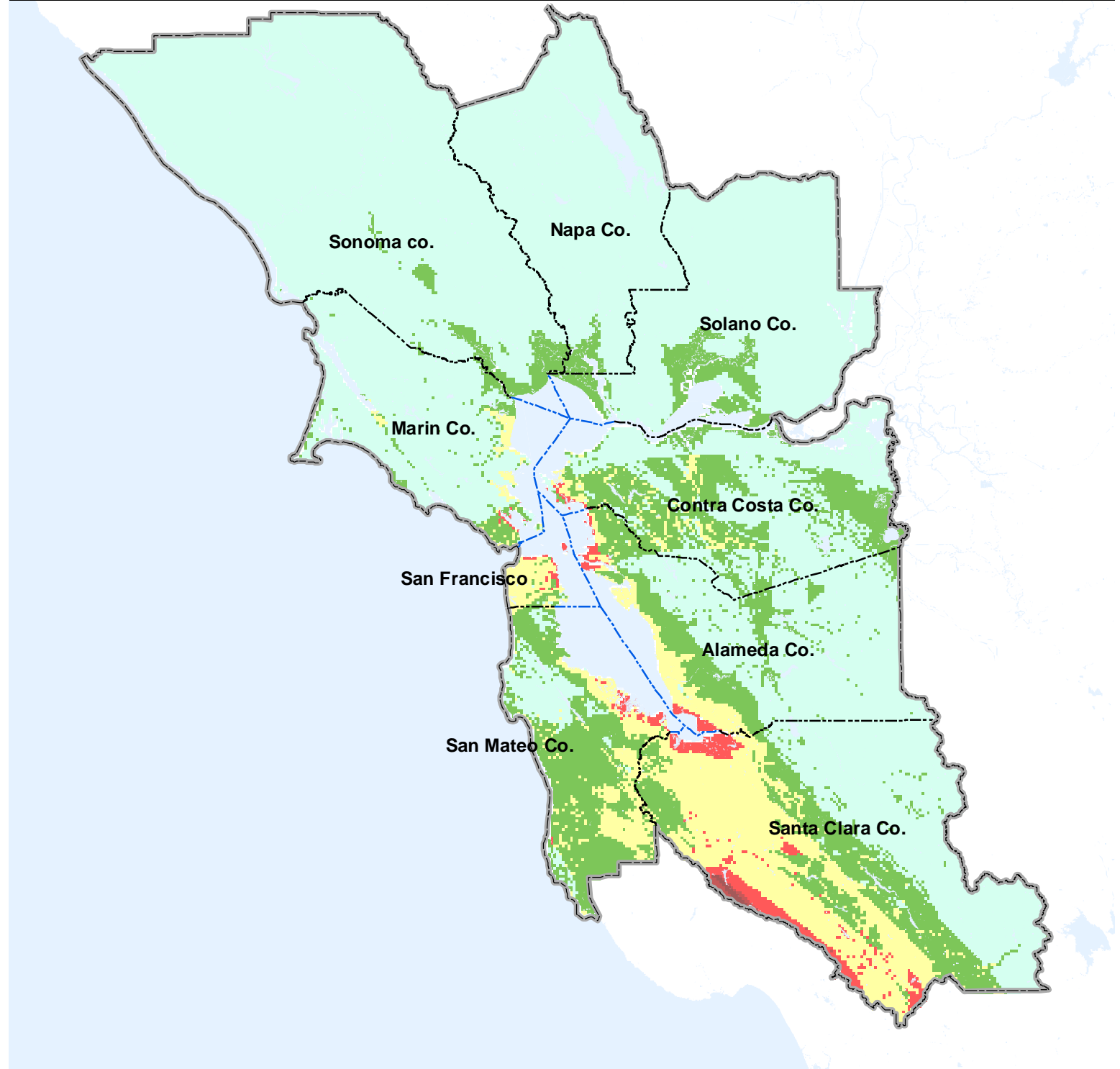


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

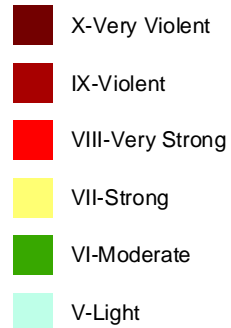
Source: ABAG Earthquake Program, June 2004



Entire San Andreas (1906 Quake) - Magnitude 7.9

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

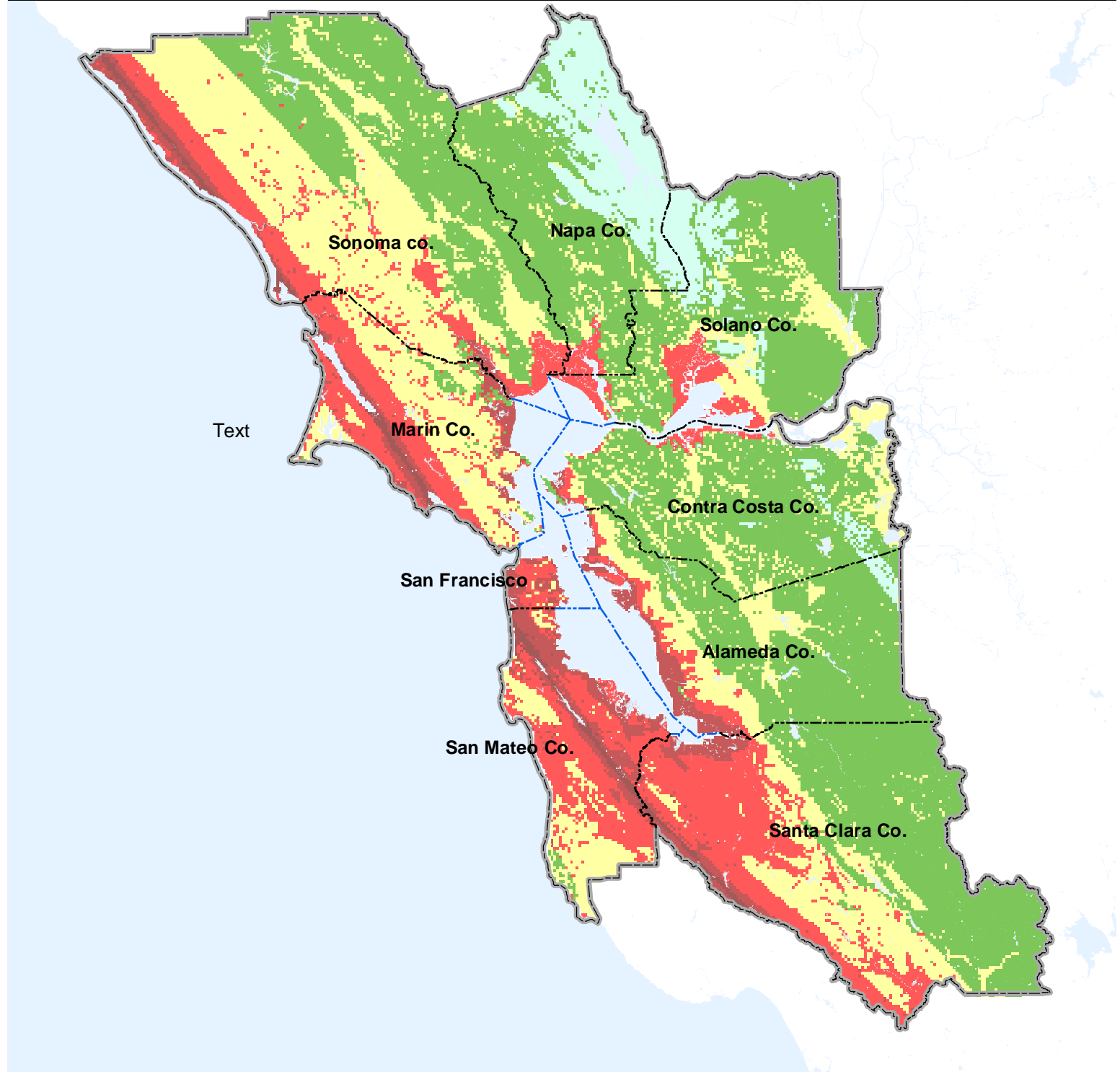


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

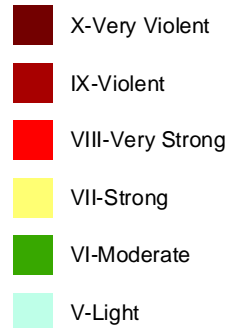
Source: ABAG Earthquake Program, June 2004



Rodgers Creek Earthquake - Magnitude 7.0

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

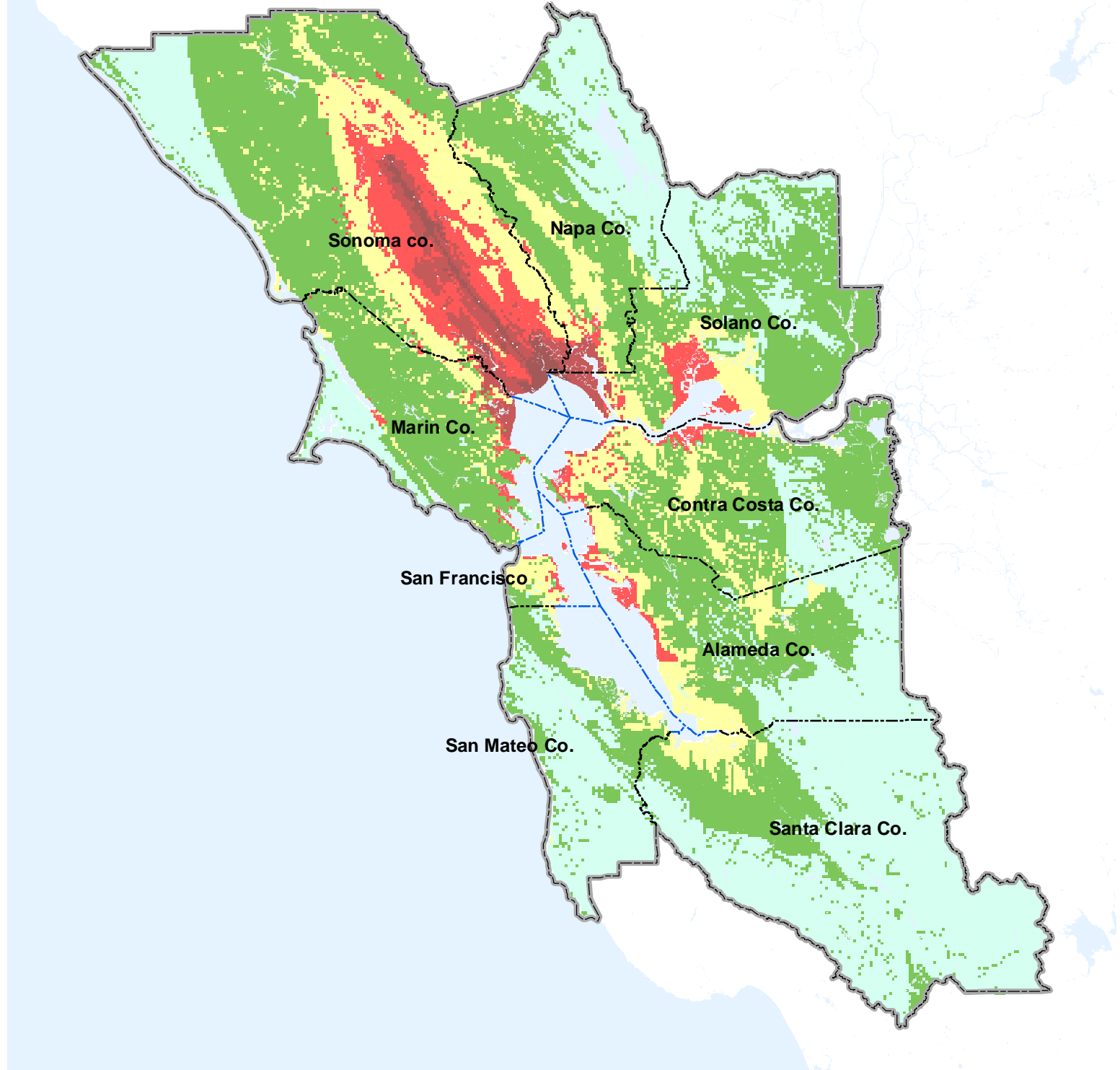


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

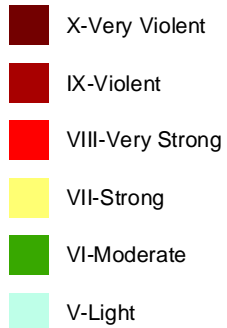
Source: ABAG Earthquake Program, June 2004



Rodgers Creek and North Hayward Earthquake - Magnitude 7.1

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

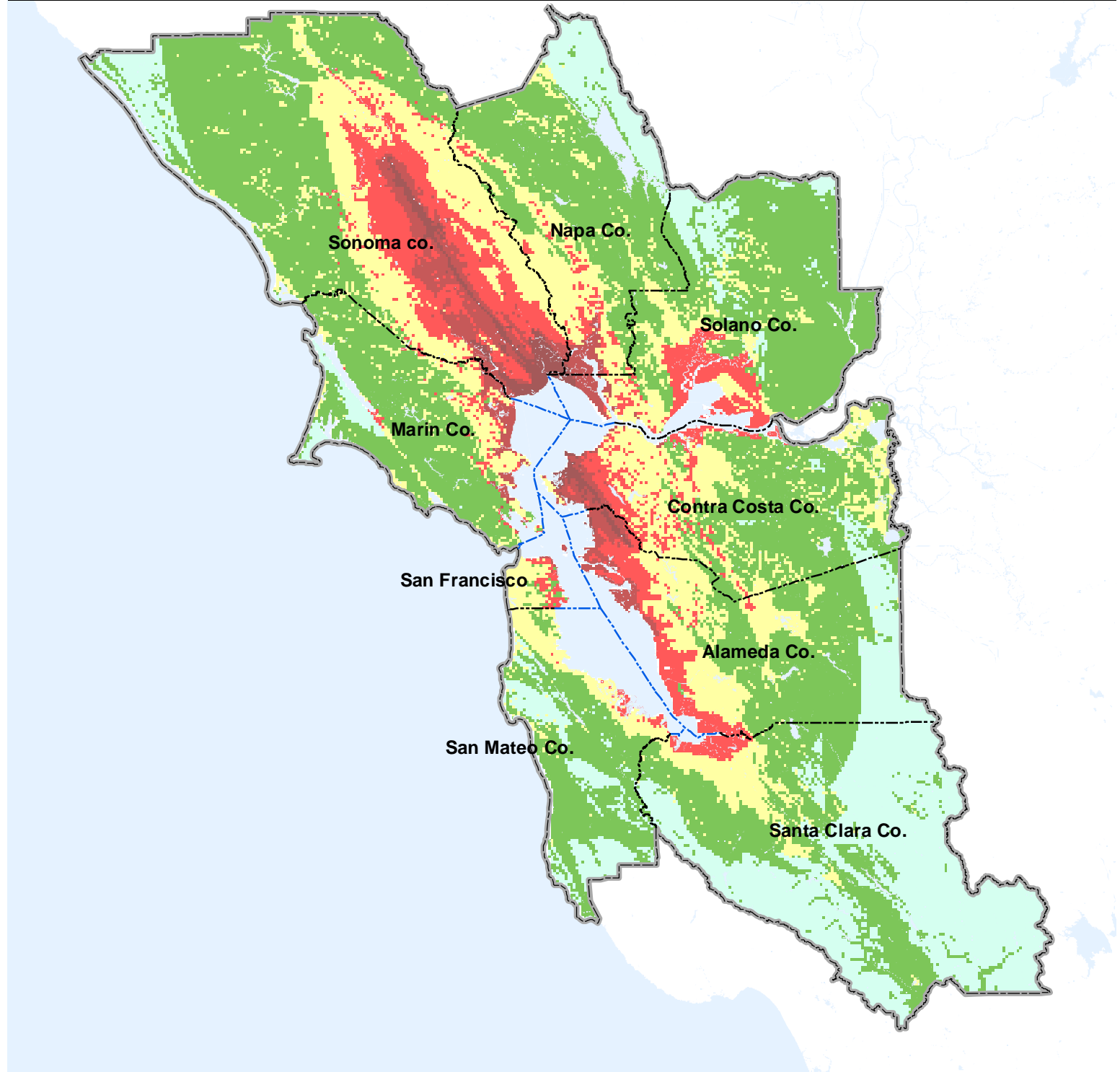


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

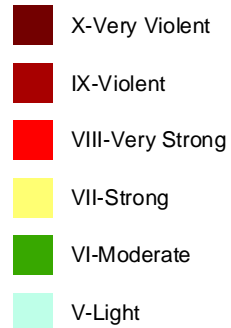
Source: ABAG Earthquake Program, June 2004



North Hayward Earthquake - Magnitude 6.5

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

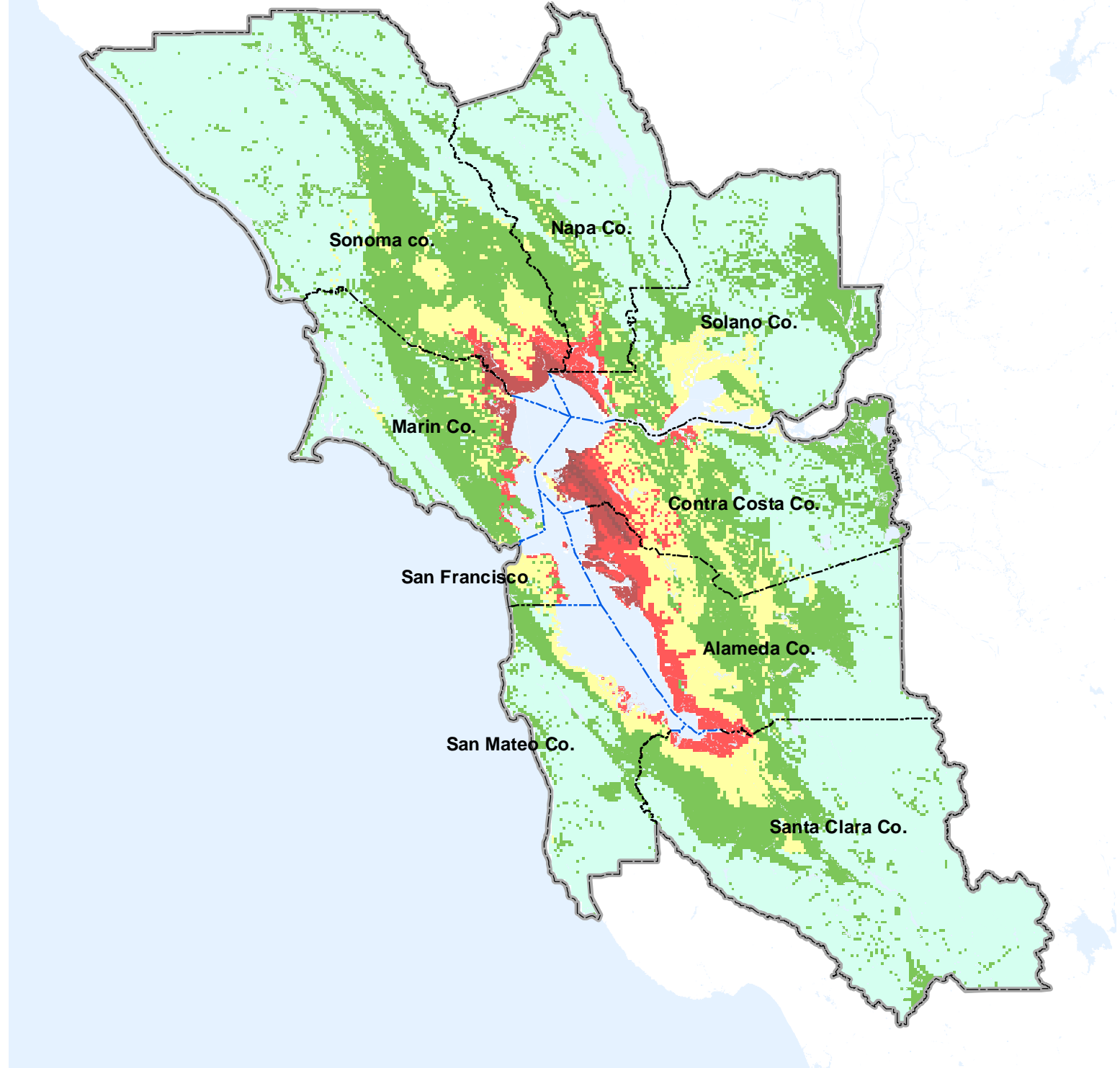


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

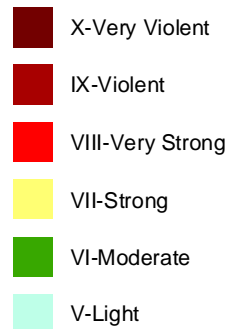
Source: ABAG Earthquake Program, June 2004



South Hayward Earthquake - Magnitude 6.7

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

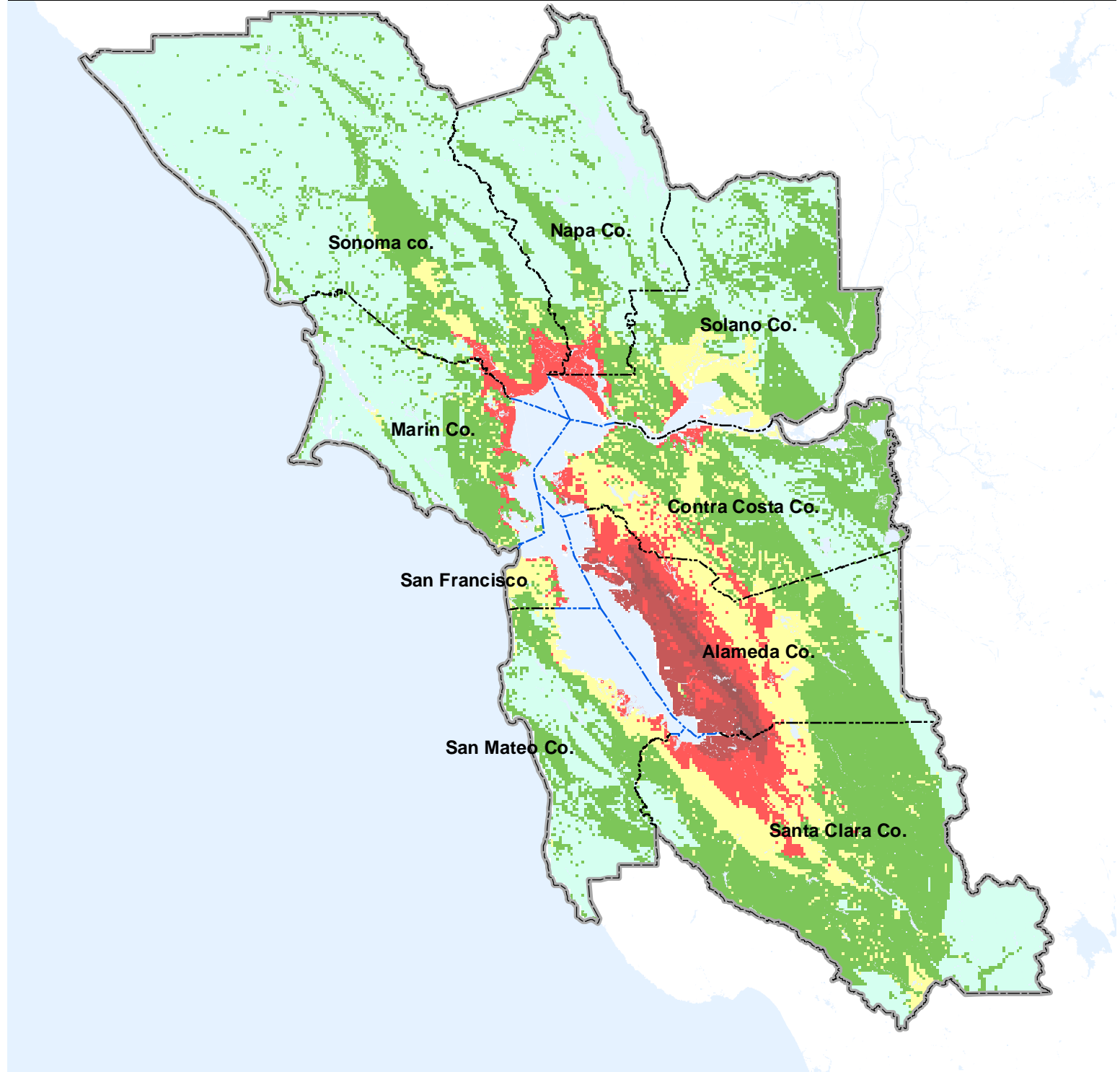


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

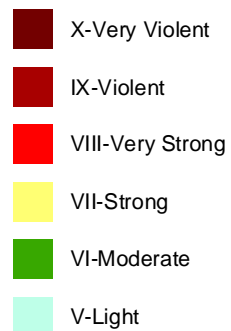
Source: ABAG Earthquake Program, June 2004



North and South Hayward Earthquake - Magnitude 6.9

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

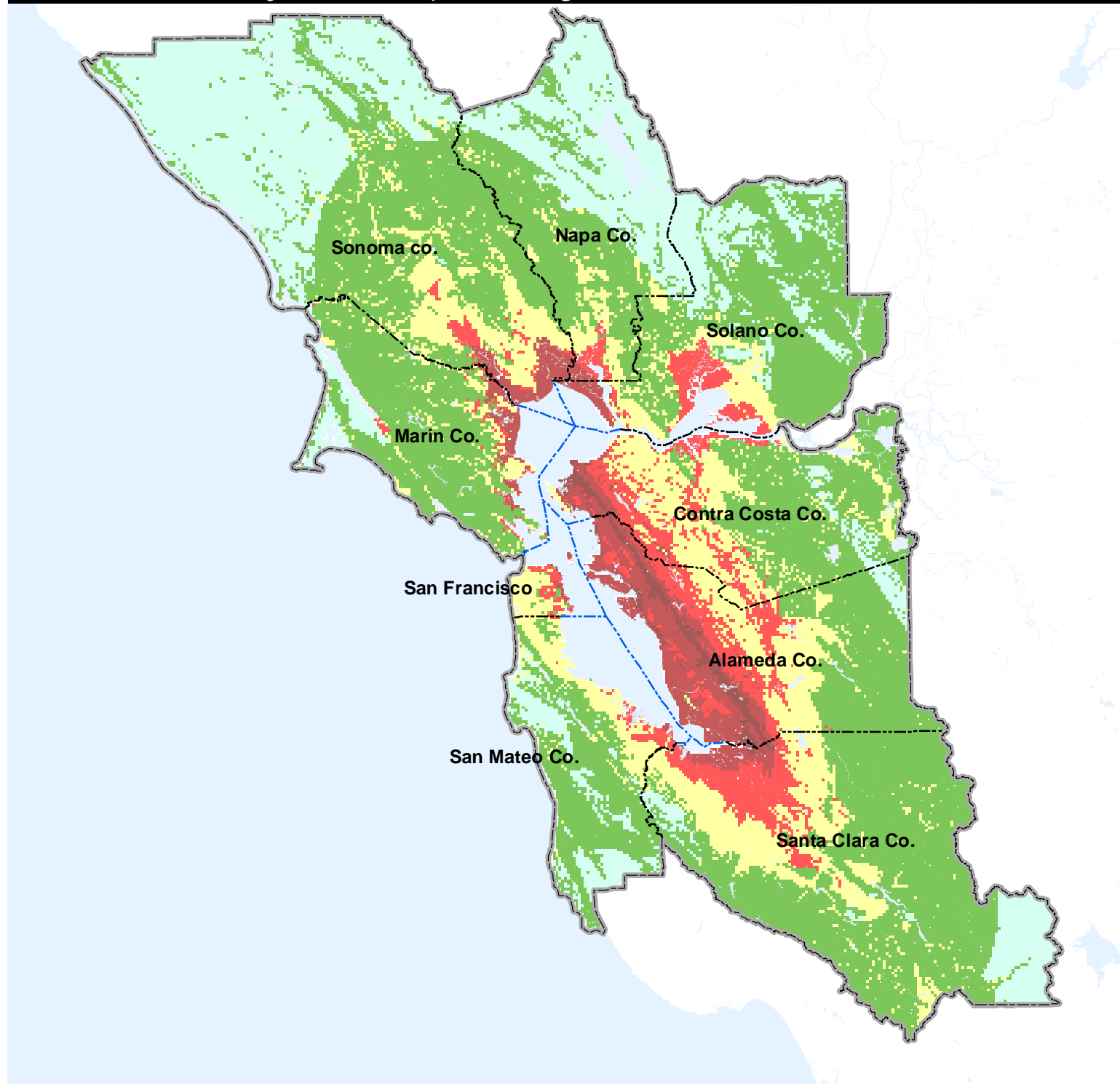


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only,
and is not intended to be site-specific.
Rather, it depicts the general risk within
neighborhoods and the relative risk from
community to community. Intensities may be
incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

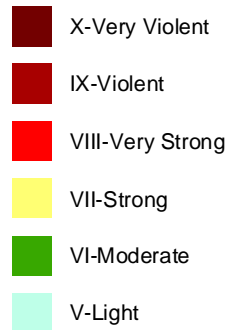
Source: ABAG Earthquake Program, June 2004



Northern Calaveras Earthquake - Magnitude 6.8

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

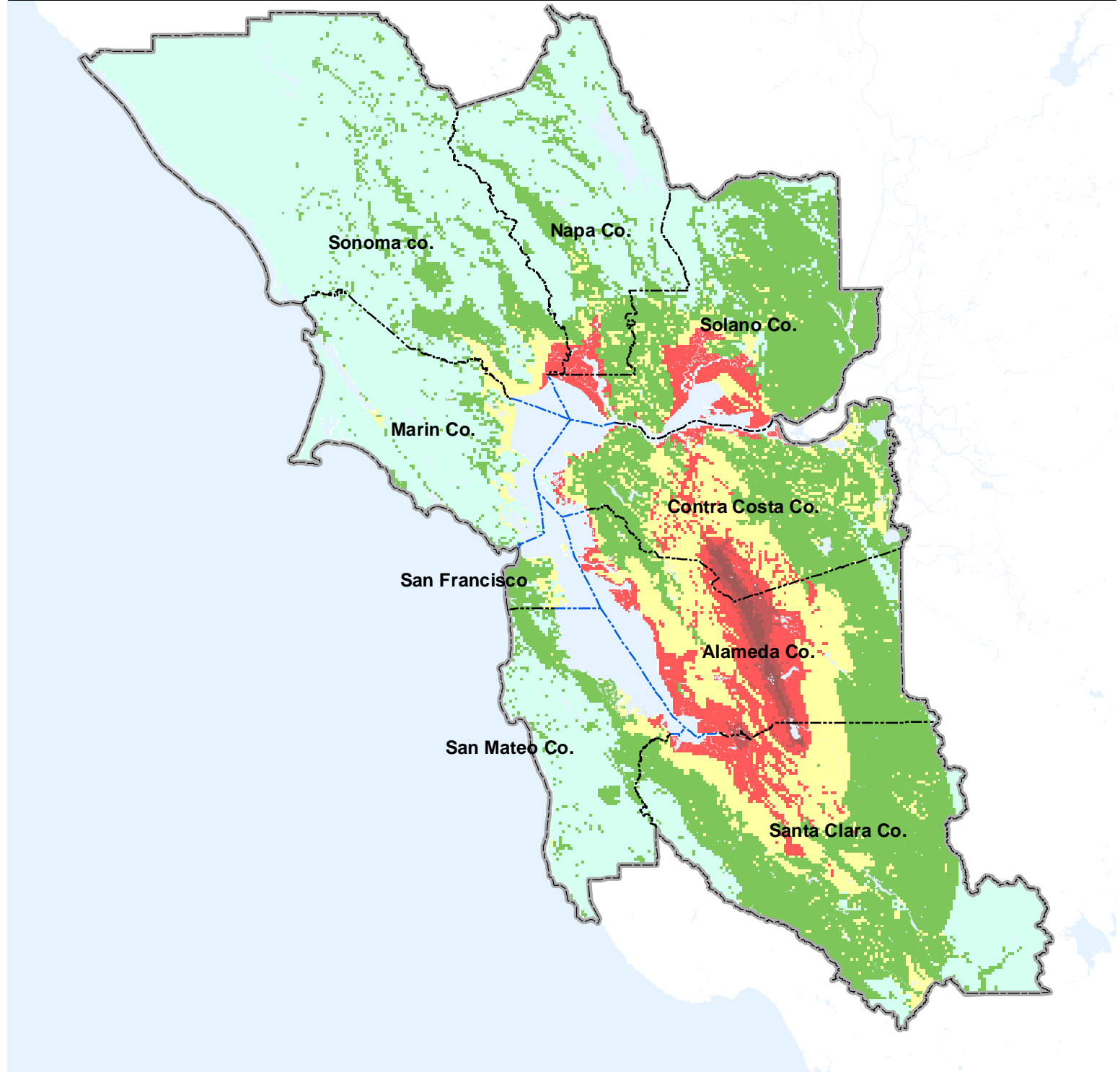


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

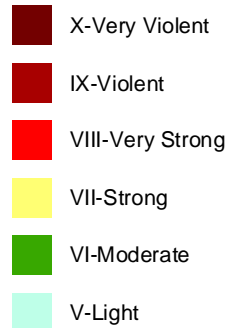
Source: ABAG Earthquake Program, June 2004



Central Calaveras Earthquake - Magnitude 6.2

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

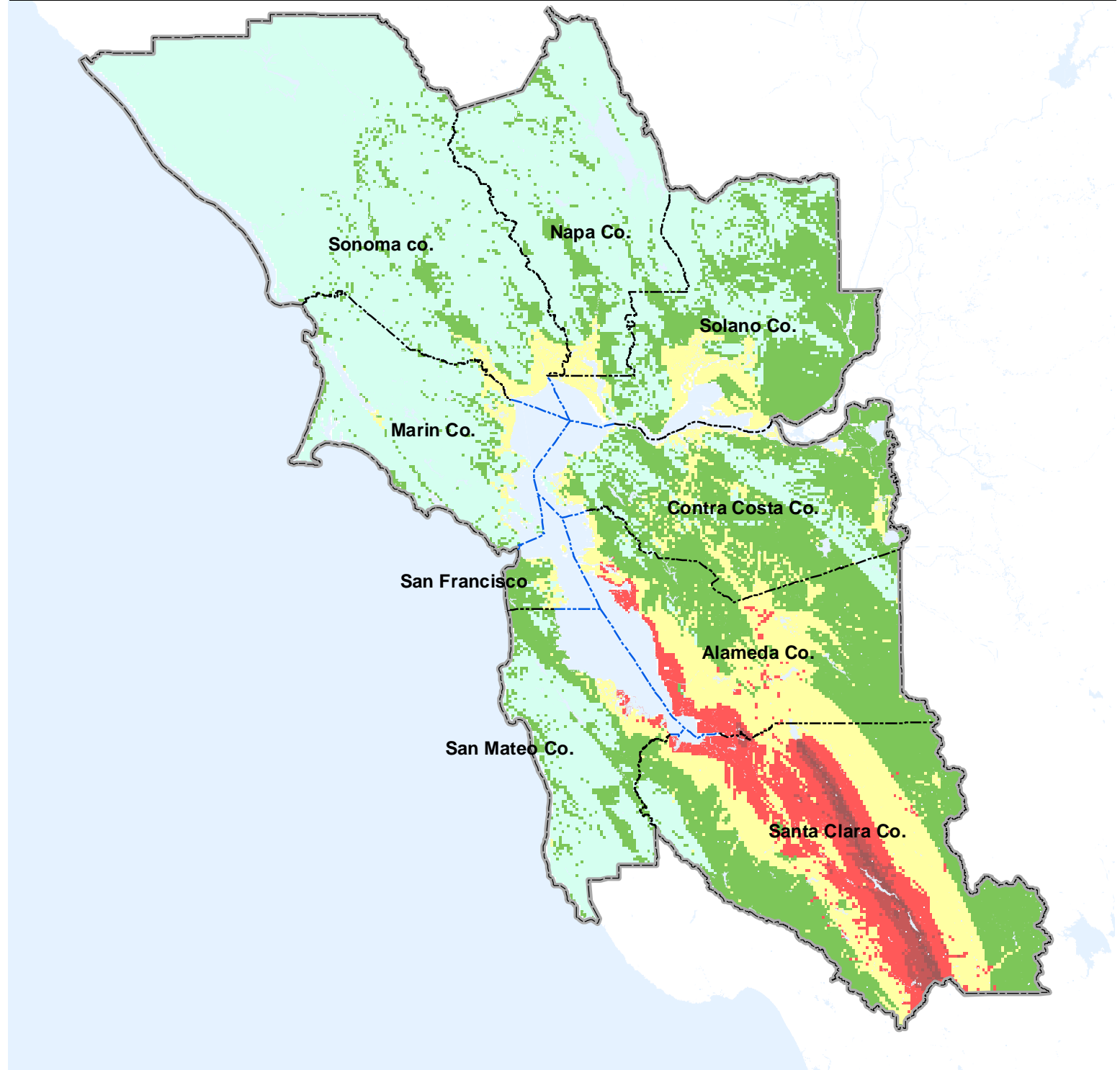


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

Source: ABAG Earthquake Program, June 2004



Maacama Earthquake - Magnitude 6.6

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

- X-Very Violent
- IX-Violent
- VIII-Very Strong
- VII-Strong
- VI-Moderate
- V-Light

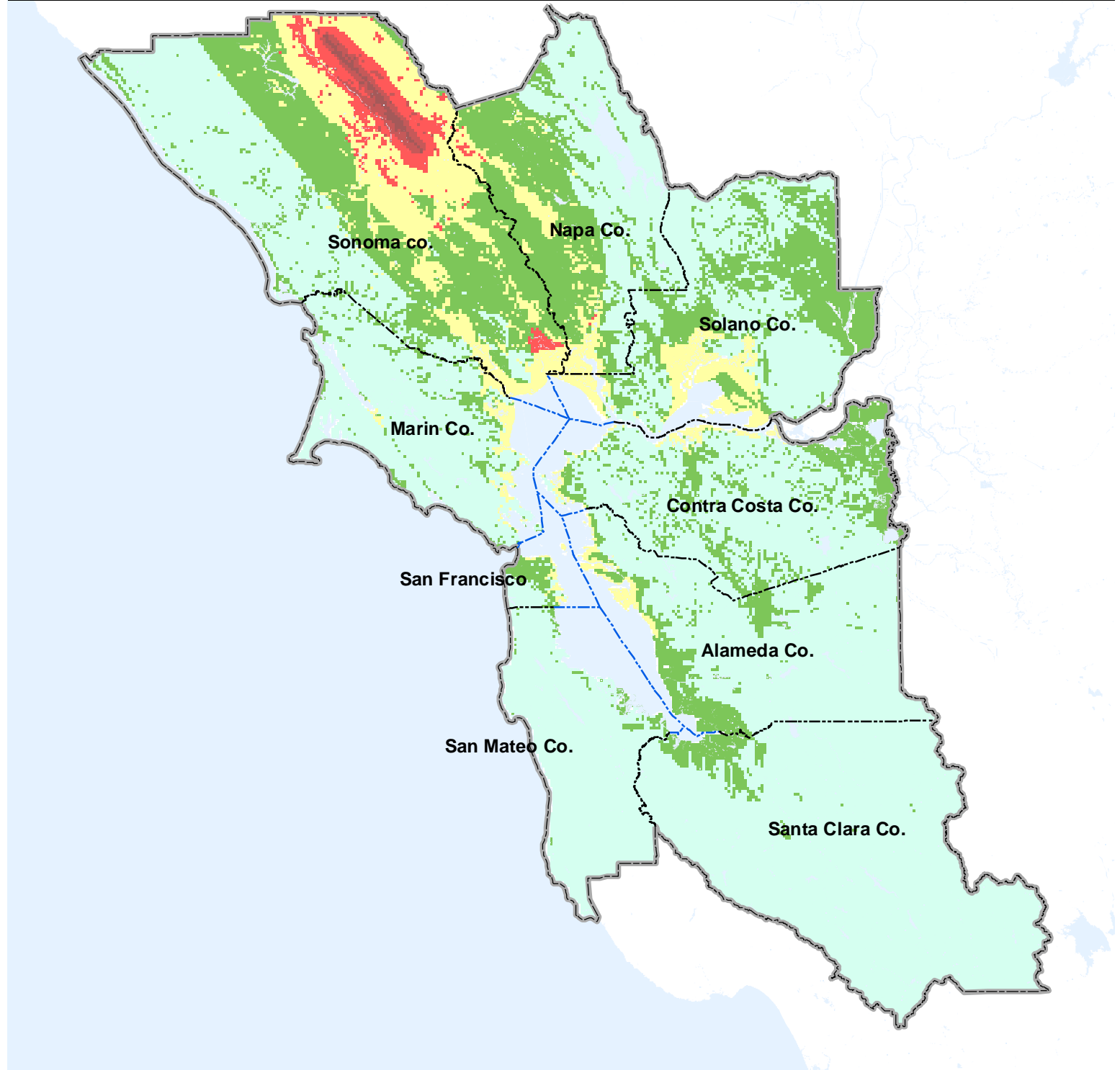


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only,
and is not intended to be site-specific.
Rather, it depicts the general risk within
neighborhoods and the relative risk from
community to community. Intensities may be
incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

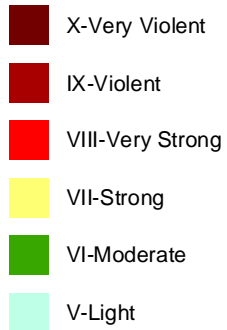
Source: ABAG Earthquake Program, June 2004



West Napa Earthquake - Magnitude 6.5

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

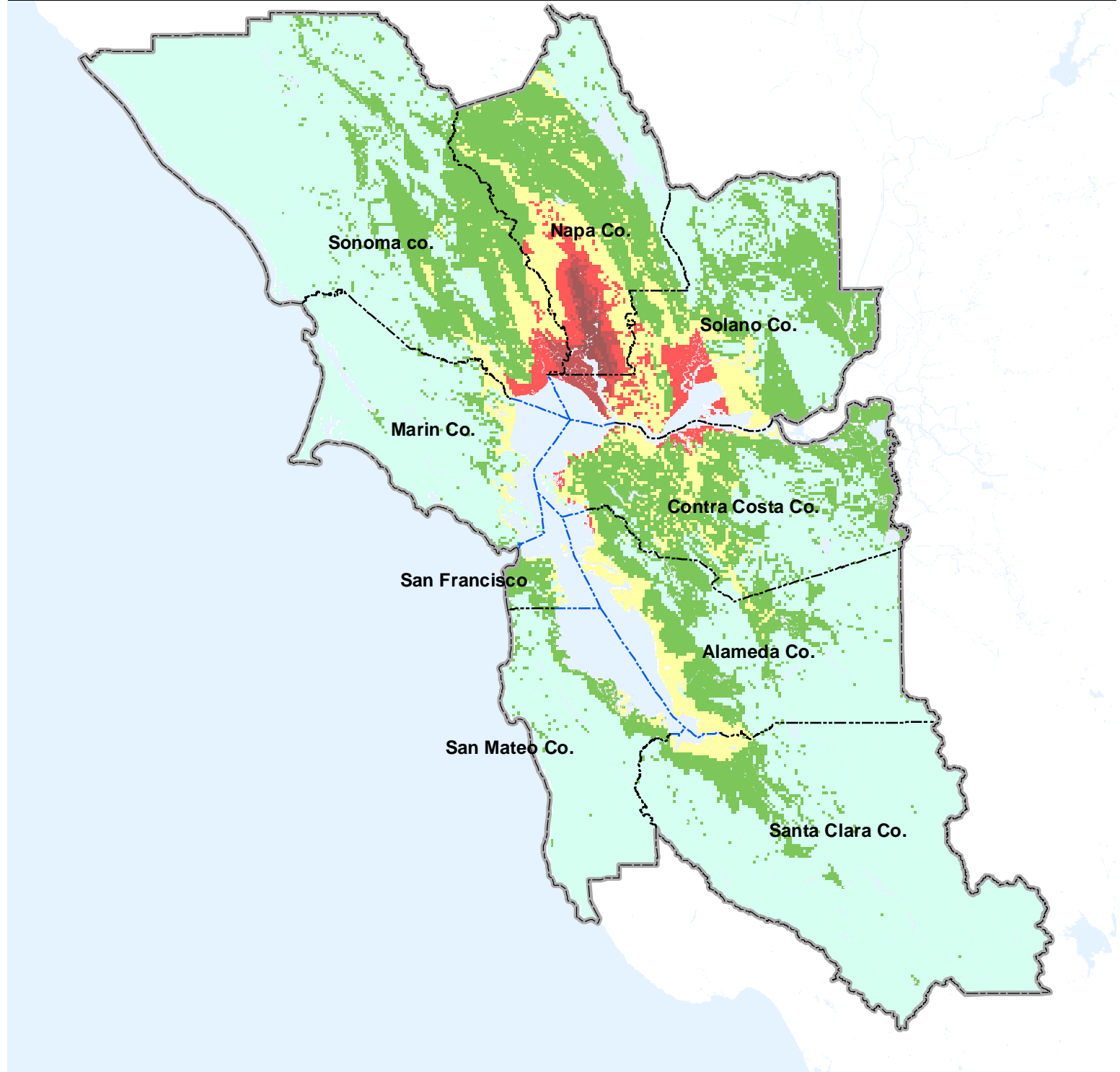


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

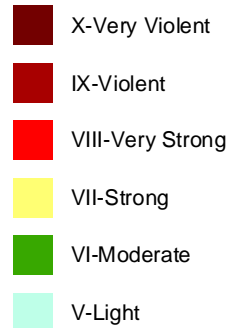
Source: ABAG Earthquake Program, June 2004



Concord-Green Valley Earthquake - Magnitude 6.7

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level



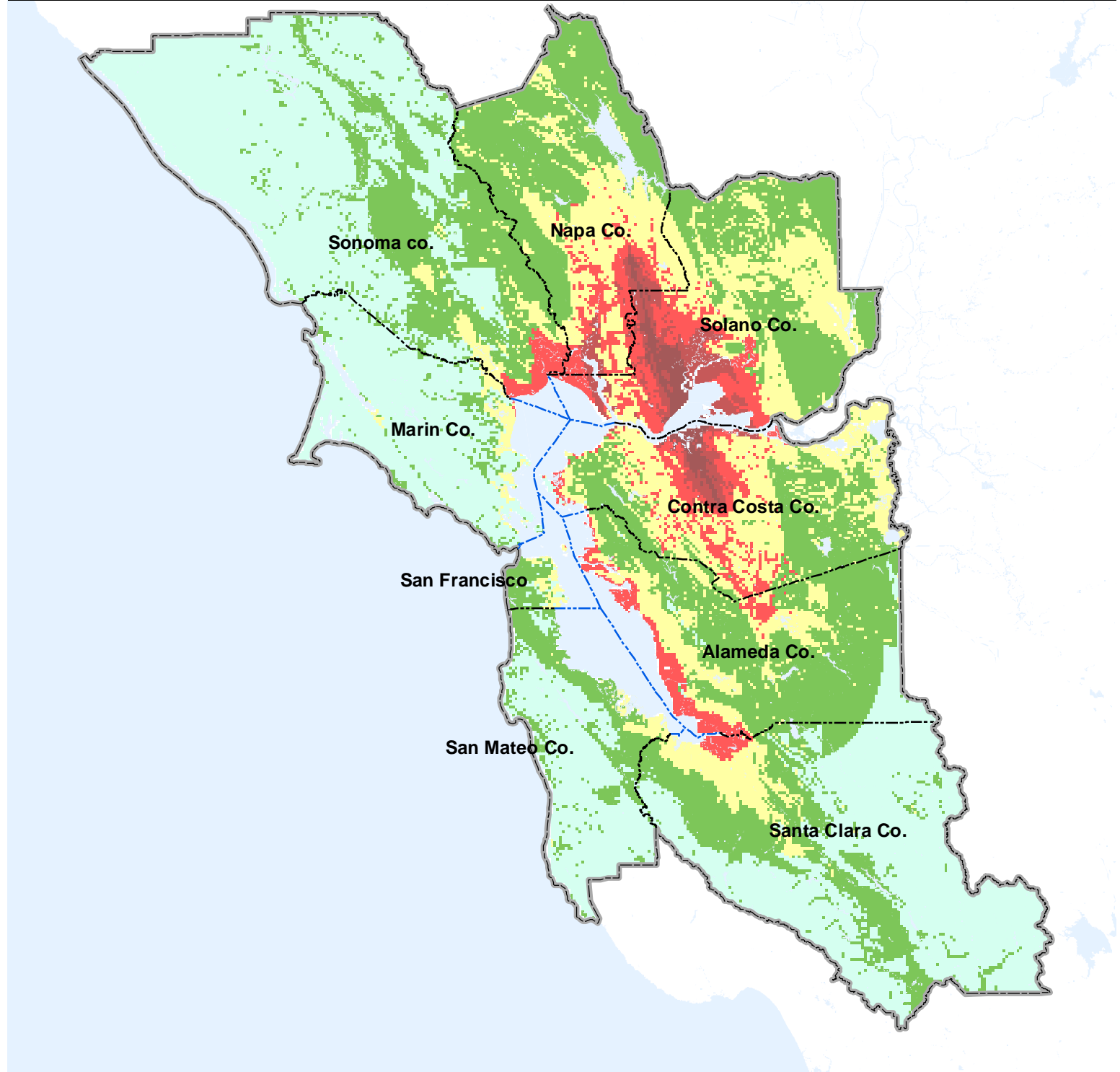
Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

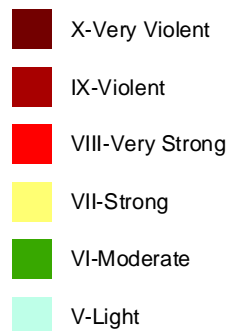
This map is available at
<http://quake.abag.ca.gov>

Source: ABAG Earthquake Program, June 2004

ABAG  Geographic Information Systems



Greenville Earthquake - Magnitude 6.9

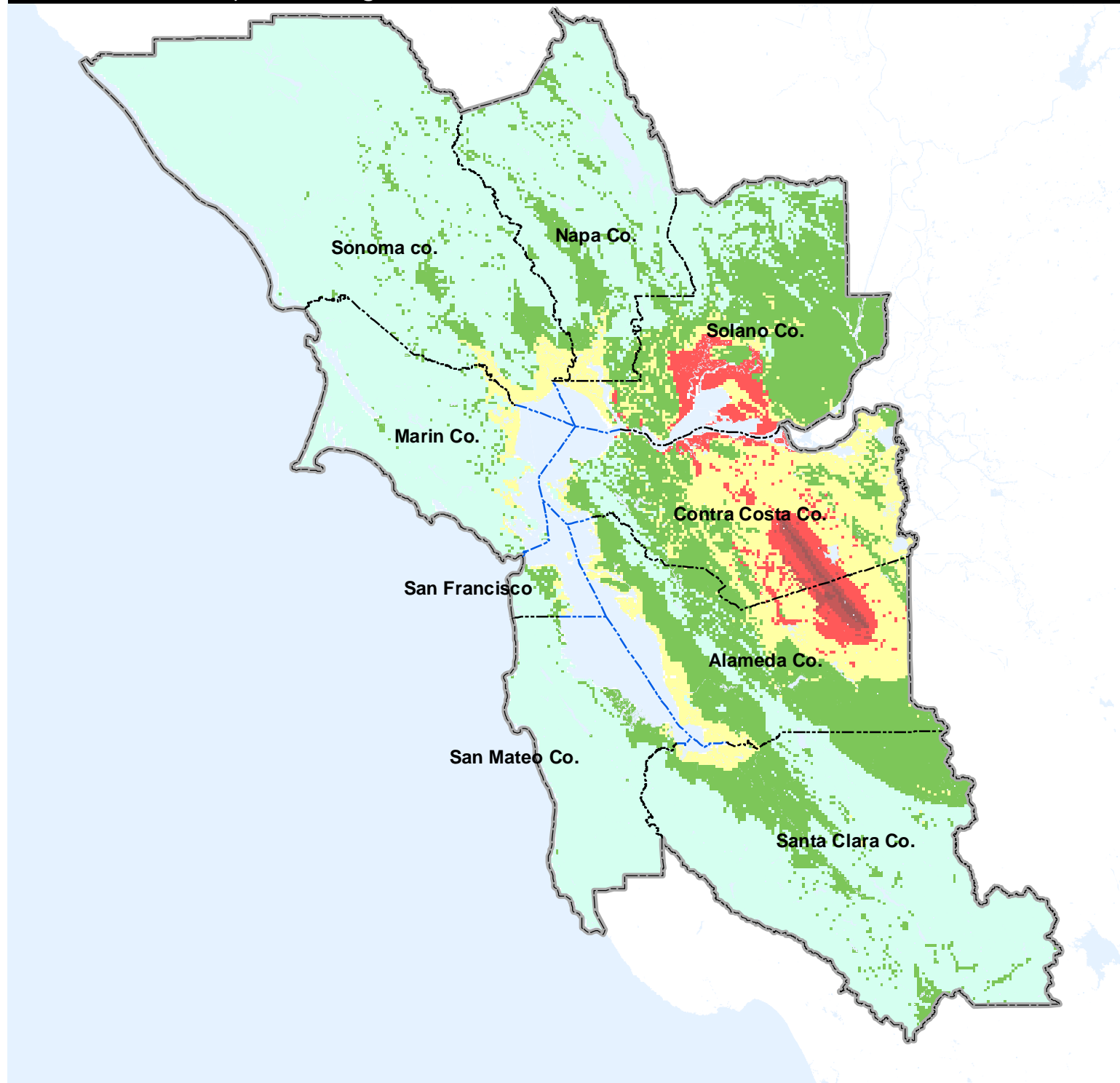
**ABAG
Earthquake Shaking Scenario**Modified Mercalli Intensity
Shaking Severity Level

Scale: 1 inch equals 18.31 miles

This map is intended for planning use only,
and is not intended to be site-specific.
Rather, it depicts the general risk within
neighborhoods and the relative risk from
community to community. Intensities may be
incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

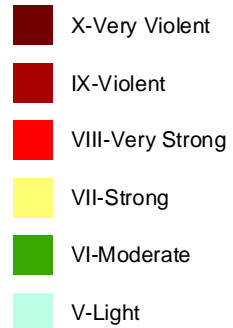
Source: ABAG Earthquake Program, June 2004



Mount Diablo Thrust Earthquake - Magnitude 6.7

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

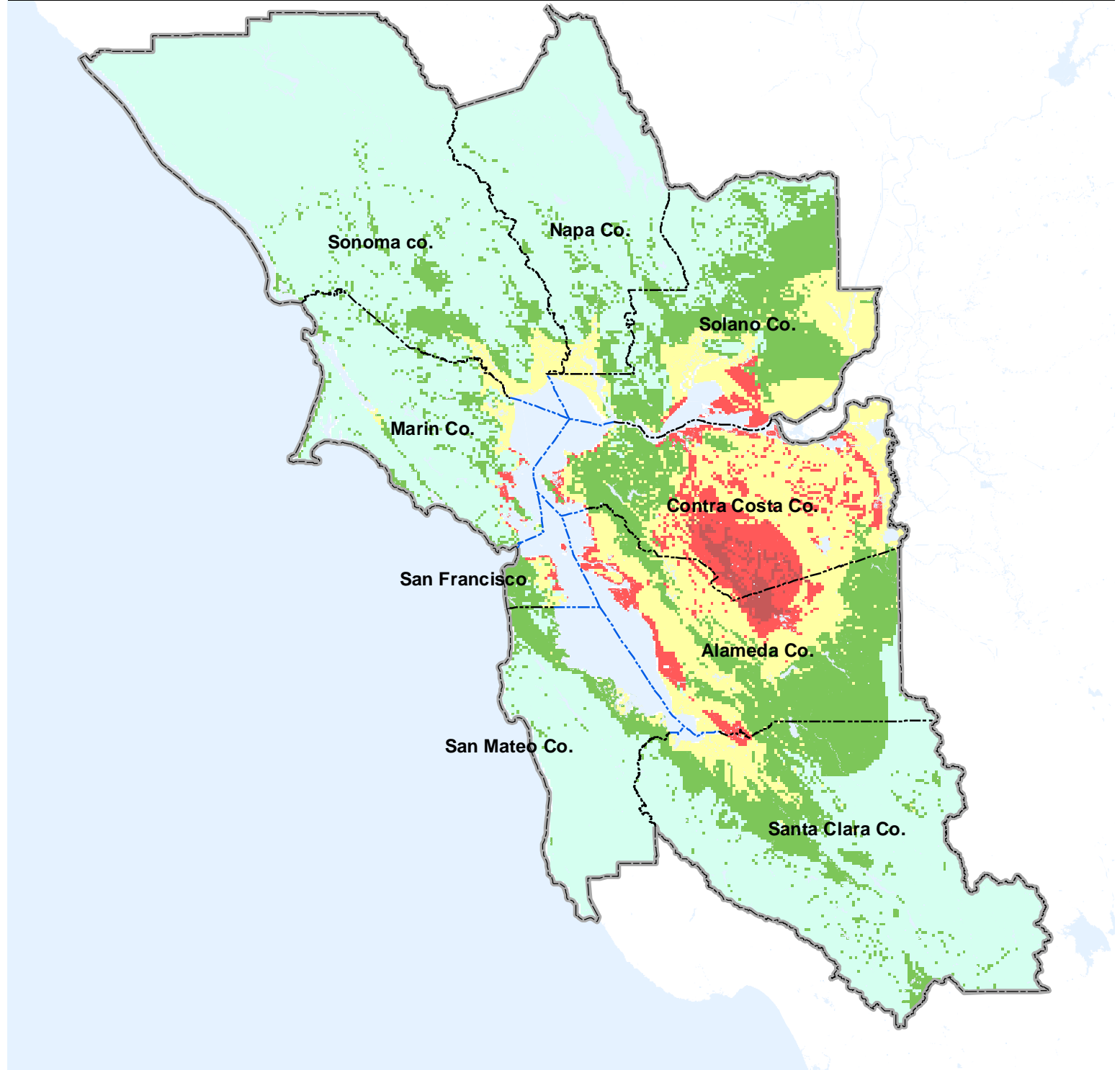


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

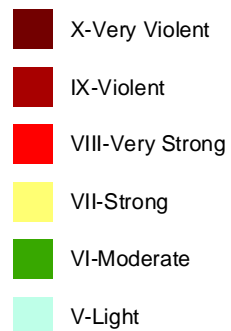
Source: ABAG Earthquake Program, June 2004



Northern San Gregorio Earthquake - Magnitude 7.2

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

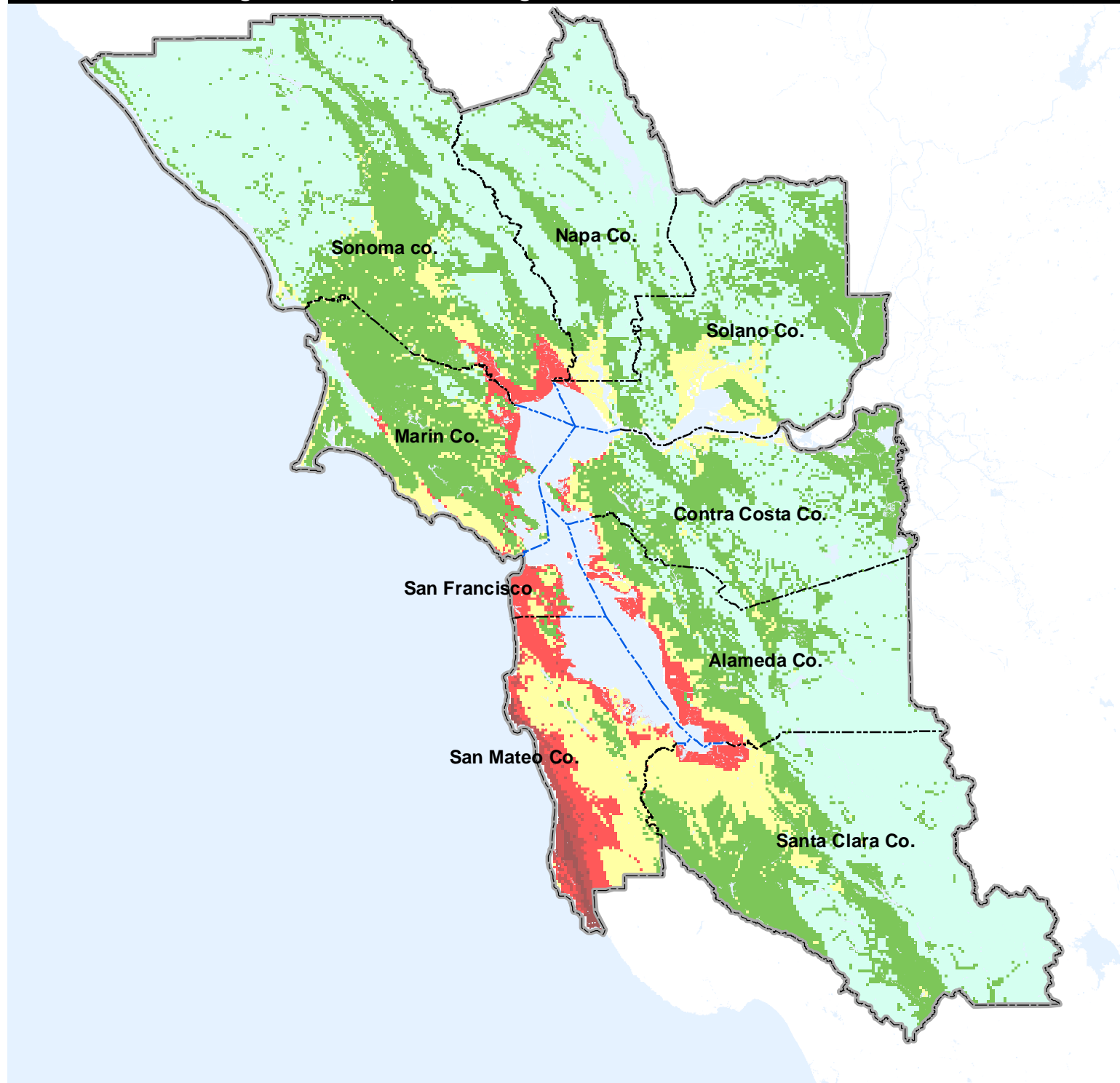


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

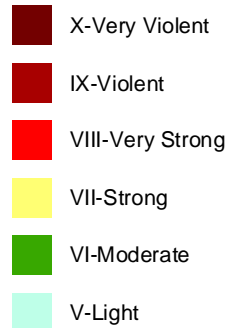
Source: ABAG Earthquake Program, June 2004



Monte Vista Thrust Earthquake - Magnitude 6.6

ABAG Earthquake Shaking Scenario

Modified Mercalli Intensity
Shaking Severity Level

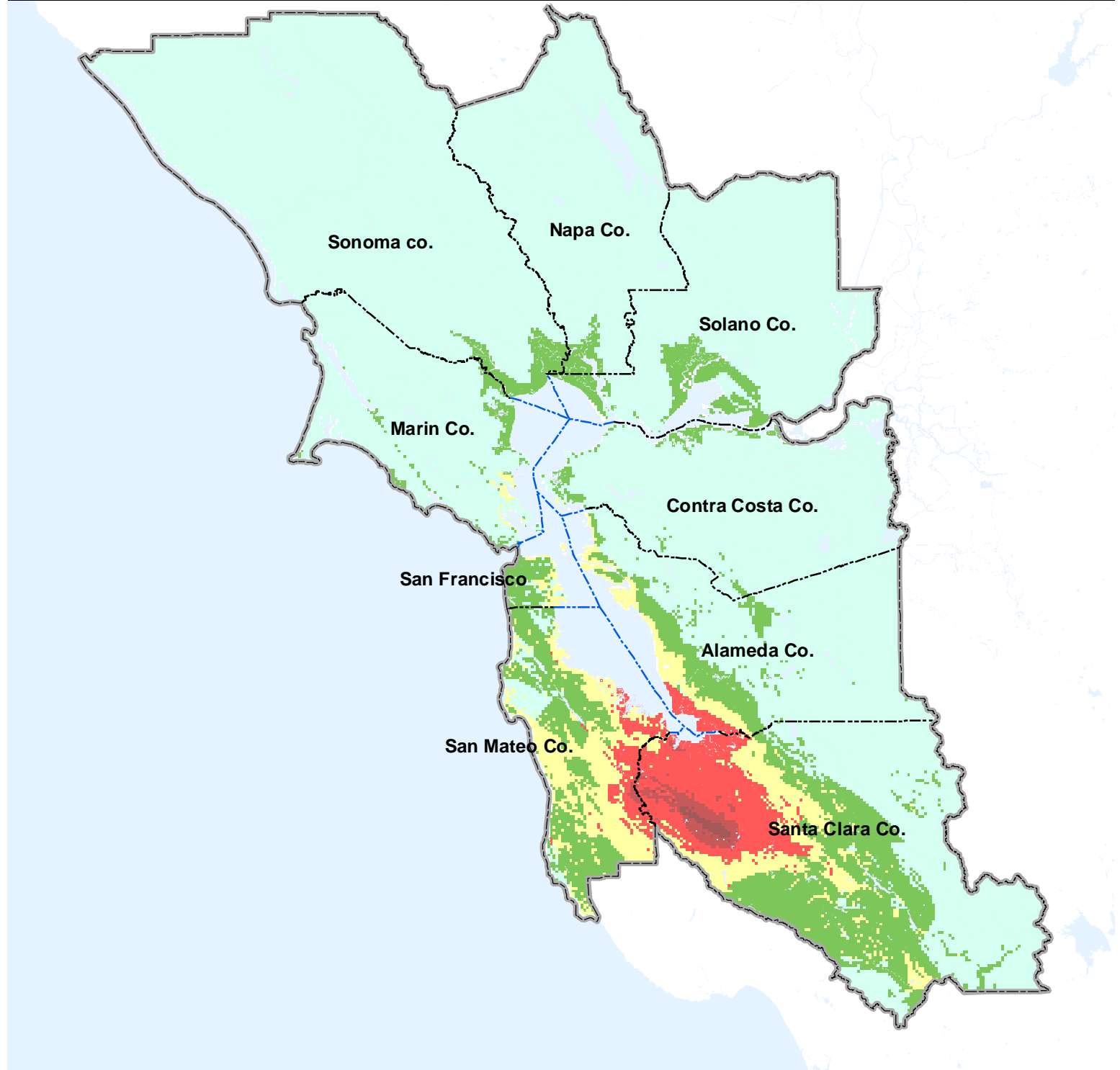


Scale: 1 inch equals 18.31 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. Intensities may be incorrect by one unit higher or lower.

This map is available at
<http://quake.abag.ca.gov>

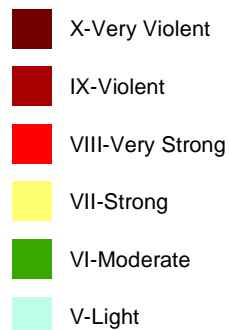
Source: ABAG Earthquake Program, June 2004



North and South Hayward Earthquake - Magnitude 6.9

USGS ShakeMap Scenario

Modified Mercalli Intensity
Shaking Severity Level



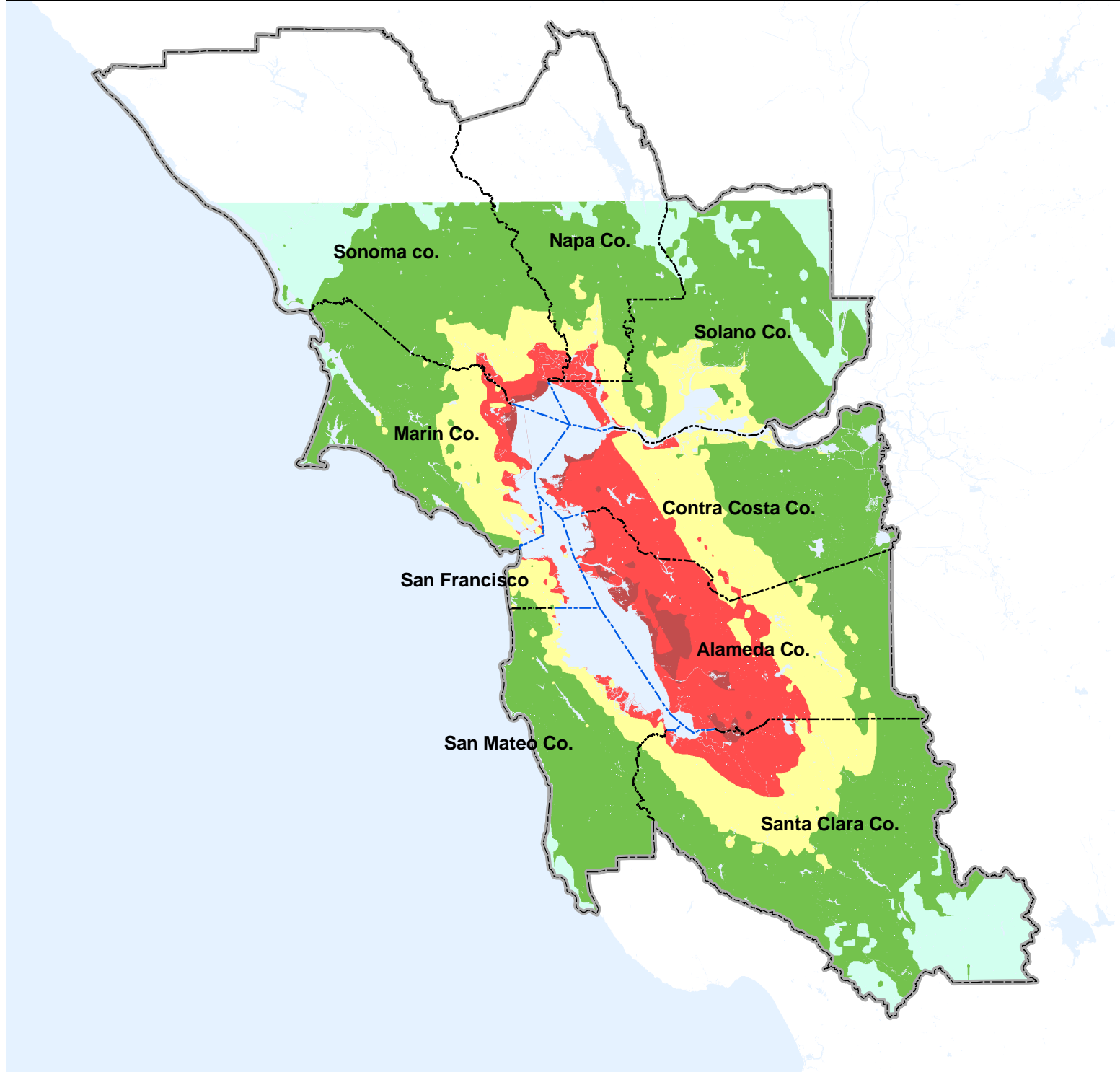
Scale: 1 inch equals 18.86 miles

Source: USGS, 2003

The USGS ShakeMap scenario is provided for comparison with the ABAG earthquake shaking scenario. For ease of comparison, ABAG changed the colors and legend of the ShakeMap to make them consistent with our map. The ShakeMap scenario lacks data for the northern sections of Sonoma and Napa counties. These sections appear blank on the map. For more information regarding ShakeMaps for earthquake scenarios visit: <http://earthquake.usgs.gov/shakemap/nc/shake/archive/scenario.html>







This map is for planning use only.

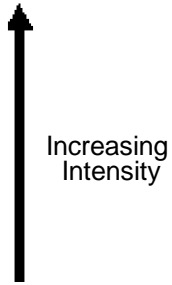
This map is available at
<http://quake.abag.ca.gov>





Earthquake Shaking Potential for the San Francisco Bay Region

Level of Earthquake Hazard


-  These regions are near major, active faults and will on average experience stronger earthquake shaking more frequently. This intense shaking can damage even strong, modern buildings.
- 
- 
- 
- 
- 



Increasing
Intensity

-  These regions are distant from known, active faults and will experience lower levels of shaking less frequently. In most earthquakes, only weaker, masonry buildings would be damaged. However, very infrequent earthquakes could still cause strong shaking here.
- 

 Major Roads

 Local Roads

 Water



Scale: 1 inch equals 18.77 miles

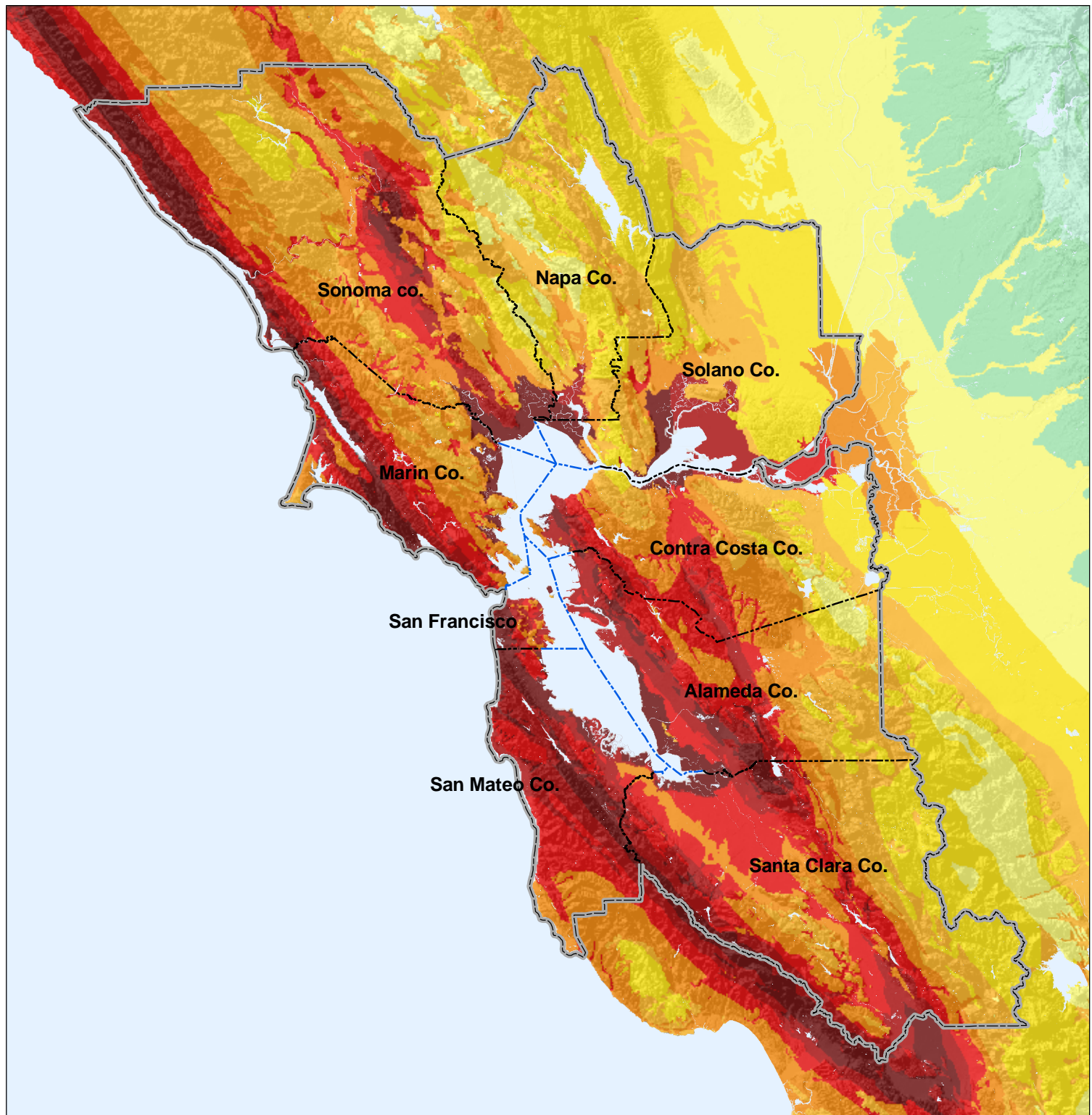
Source:

This interactive map is a derivative of the Probabilistic Seismic Hazard Map that was produced by the California Seismic Safety Commission, California Geological Survey, California Office of Emergency Services and US Geological Survey, 2003

The colors on this map have been changed from the original map. For more information visit:
<http://www.consrv.ca.gov/CGS/rghm/psha/>

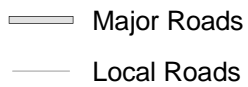
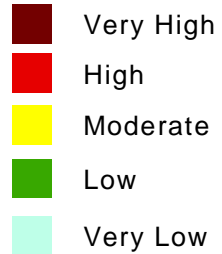
This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at <http://quake.abag.ca.gov/>



Liquefaction Susceptibility Map

Susceptibility Level



Scale: 1 inch equals 18.73 miles

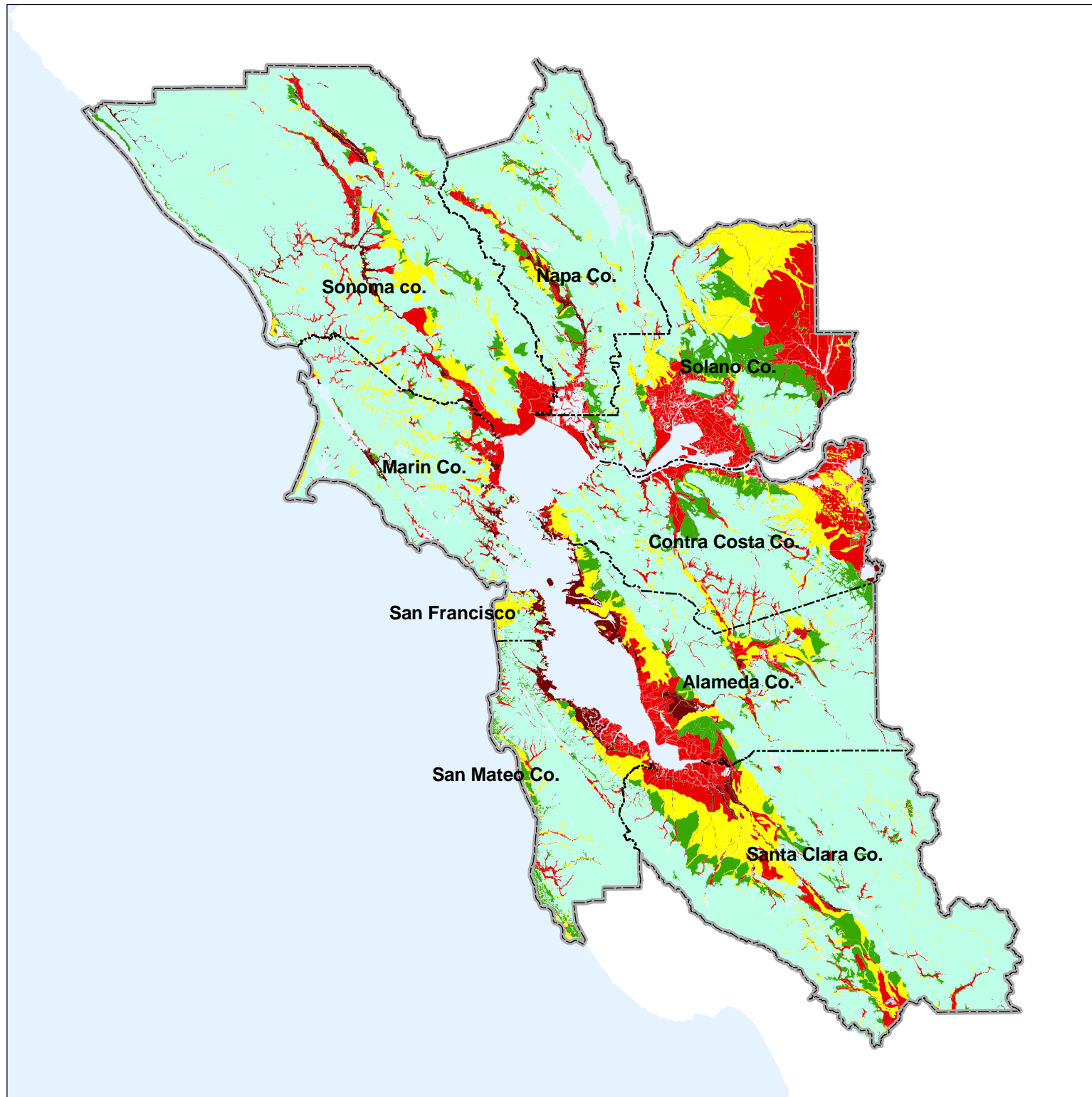
This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions.

This map is available at
<http://quake.abag.ca.gov>





Source:
This map is based on work by William Lettis & Associates, Inc. and USGS.
USGS Open-File Report 00-444, Knudsen & others, 2000

For more information visit:
<http://geopubs.wr.usgs.gov/open-file/of00-444/>

Map Prepared by the ABAG Earthquake Program.
April 2004.



California Geological Survey Seismic Hazard Zones of Required Investigation

-  **Liquefaction Zones**
Areas where historical occurrence of liquefaction, or local geological, geotechnical and ground-water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.
-  **Mapping in progress**
-  **Mapping Planned**
-  **Area Not Yet Evaluated**



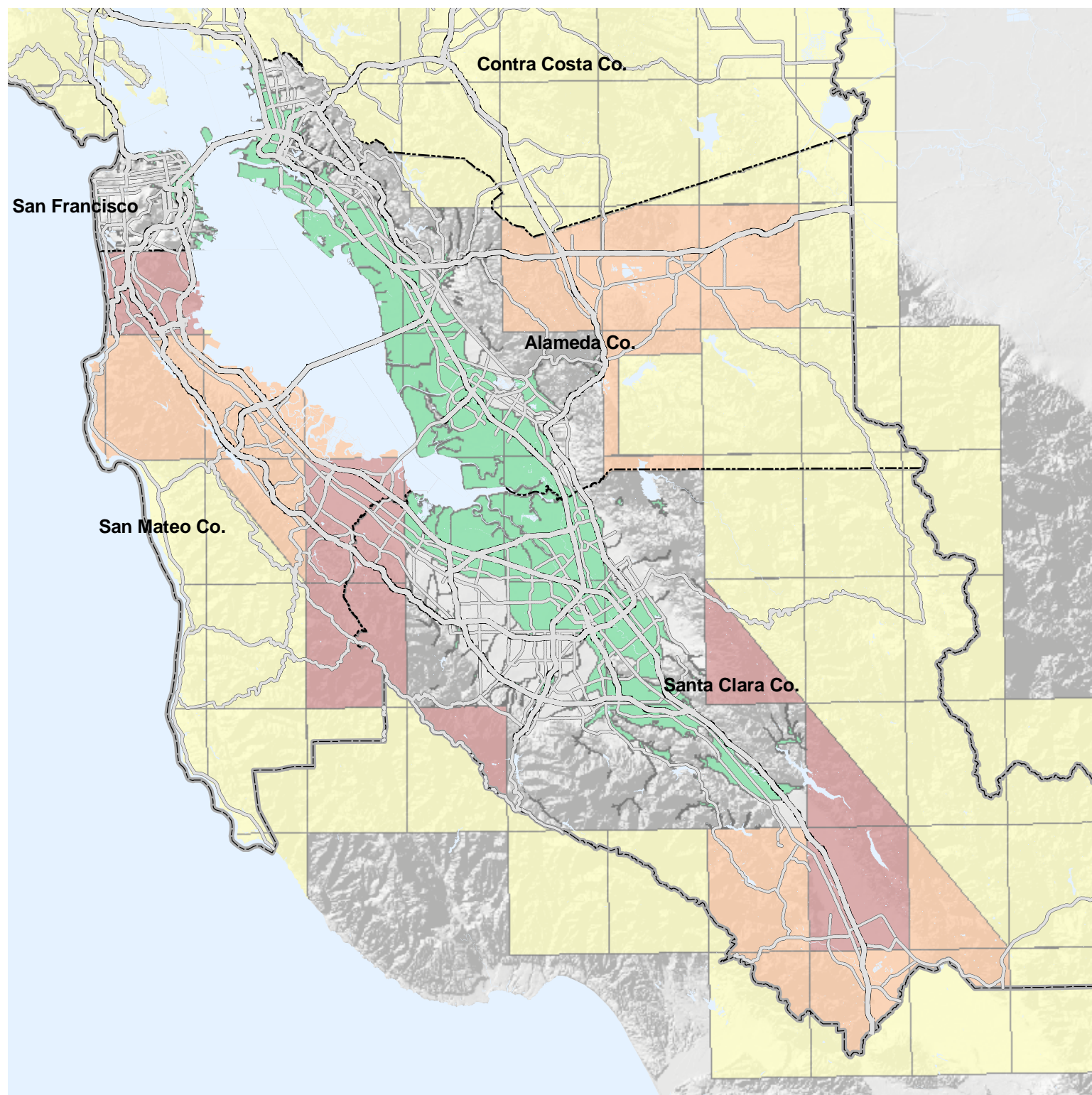
Scale: 1 inch equals 9.42 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

For more detailed information regarding this map, please visit the CGS website at <http://gmw.consrv.ca.gov/shmp/>

Source:
California Geological Survey, 2004

This map is available at
<http://quake.abag.ca.gov>



San Andreas-North Golden Gate Earthquake - Magnitude 7.5

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.85 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



San Andreas-Peninsula Earthquake - Magnitude 7.2

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.85 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.85 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



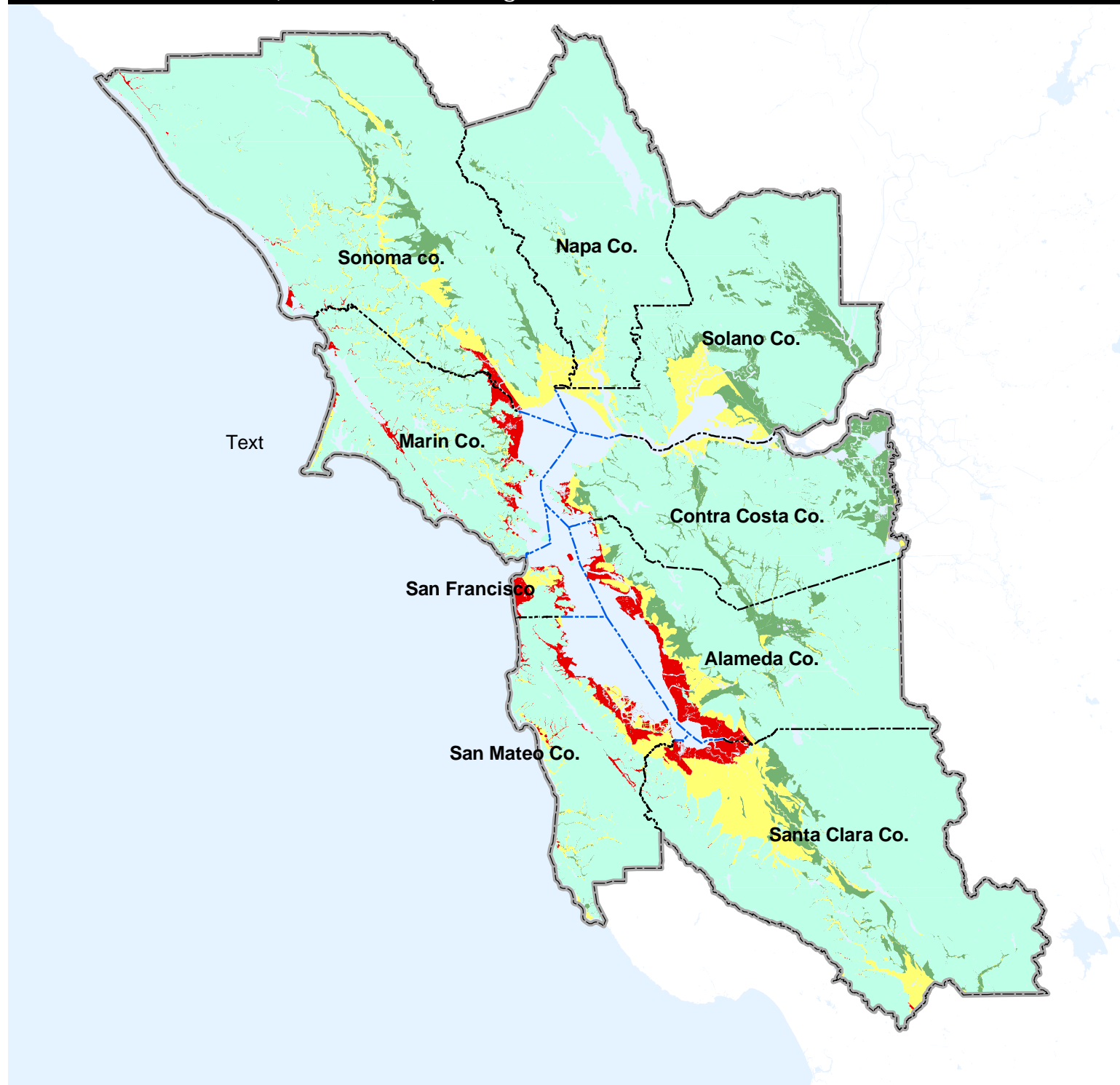
Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001

Entire San Andreas (1906 Quake) - Magnitude 7.9



Rodgers Creek Earthquake - Magnitude 7.0

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

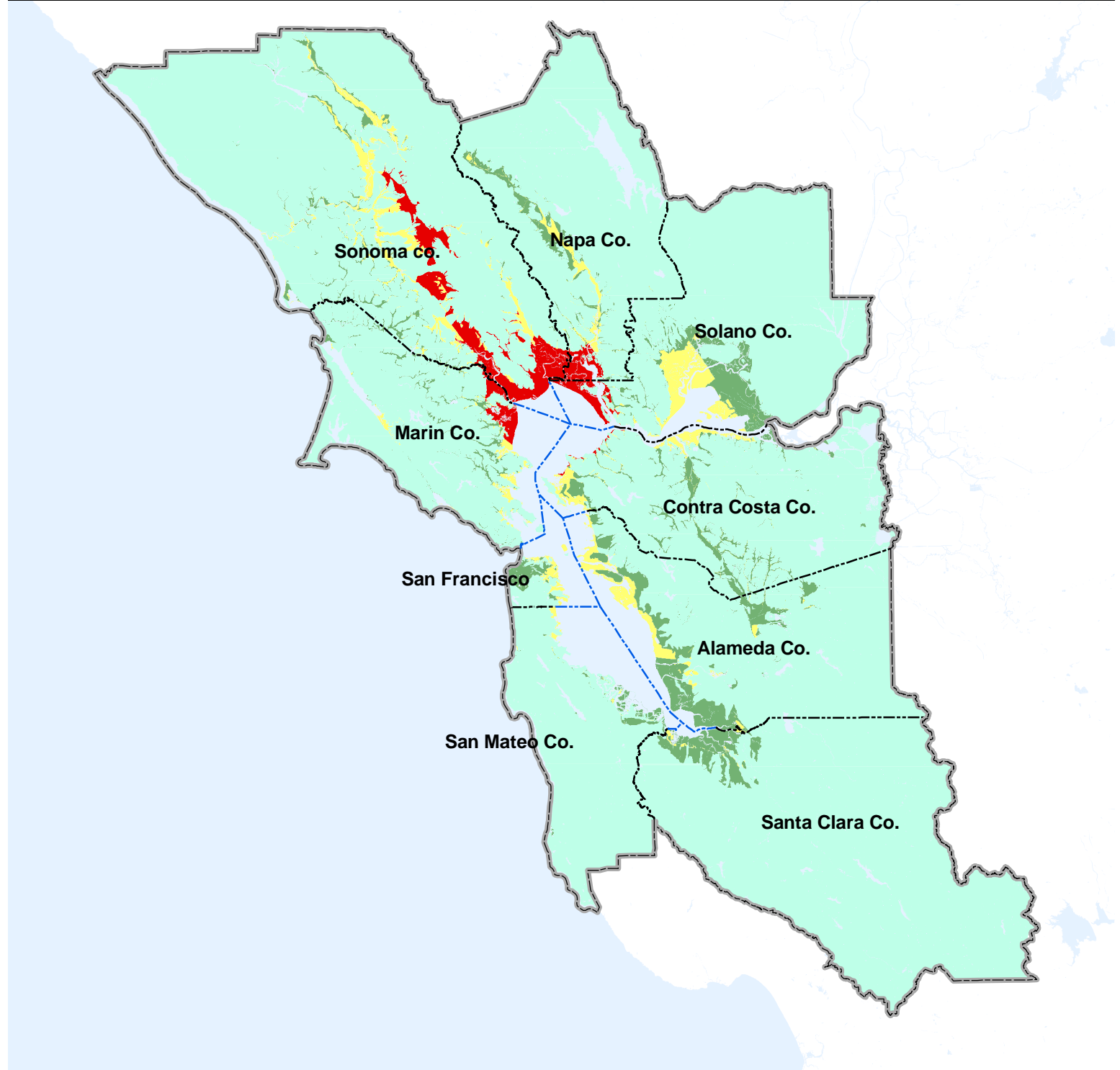


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Rodgers Creek and North Hayward Earthquake - Magnitude 7.1

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

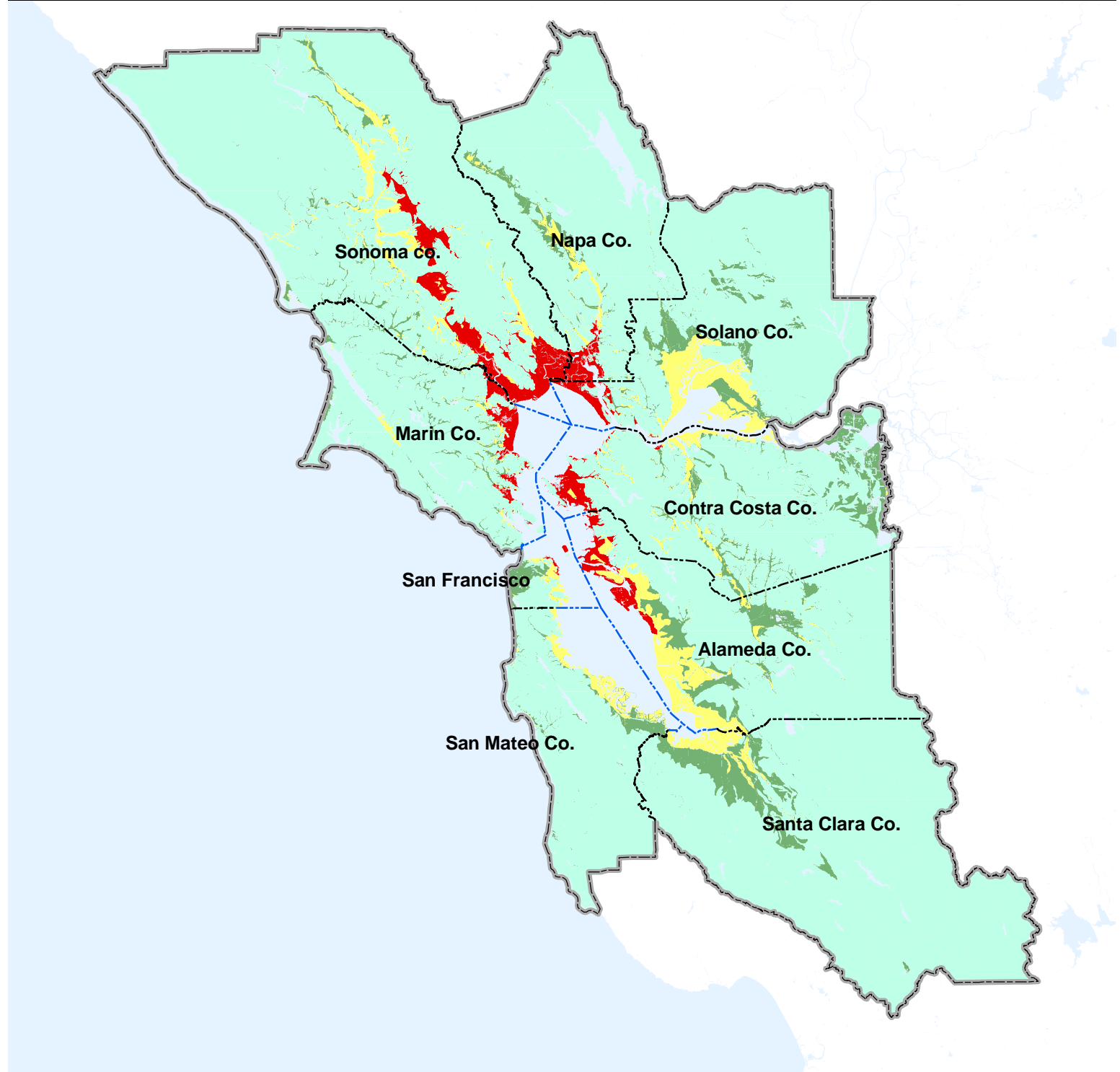


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



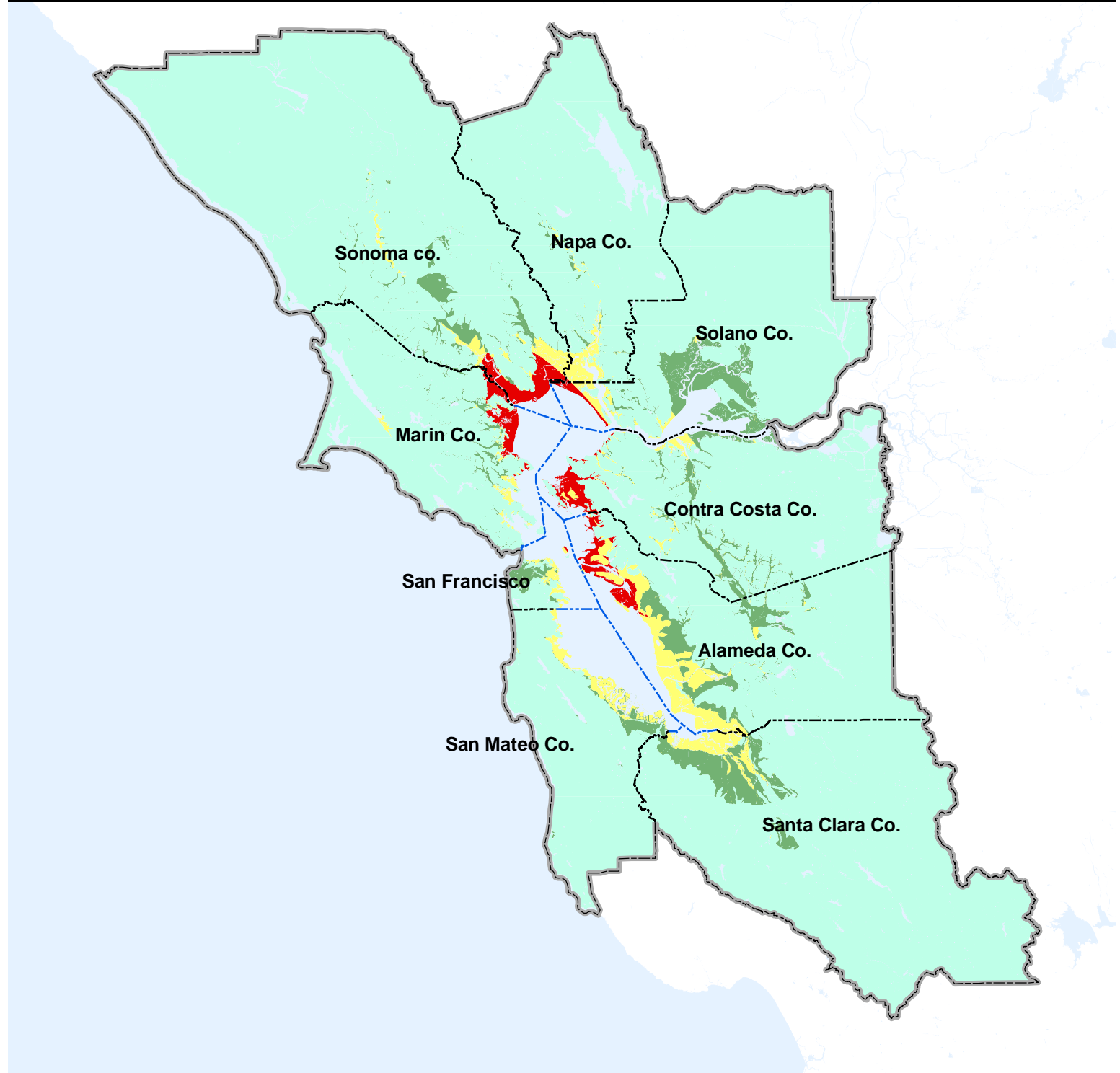
Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001

North Hayward Earthquake - Magnitude 6.5



South Hayward Earthquake - Magnitude 6.7

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

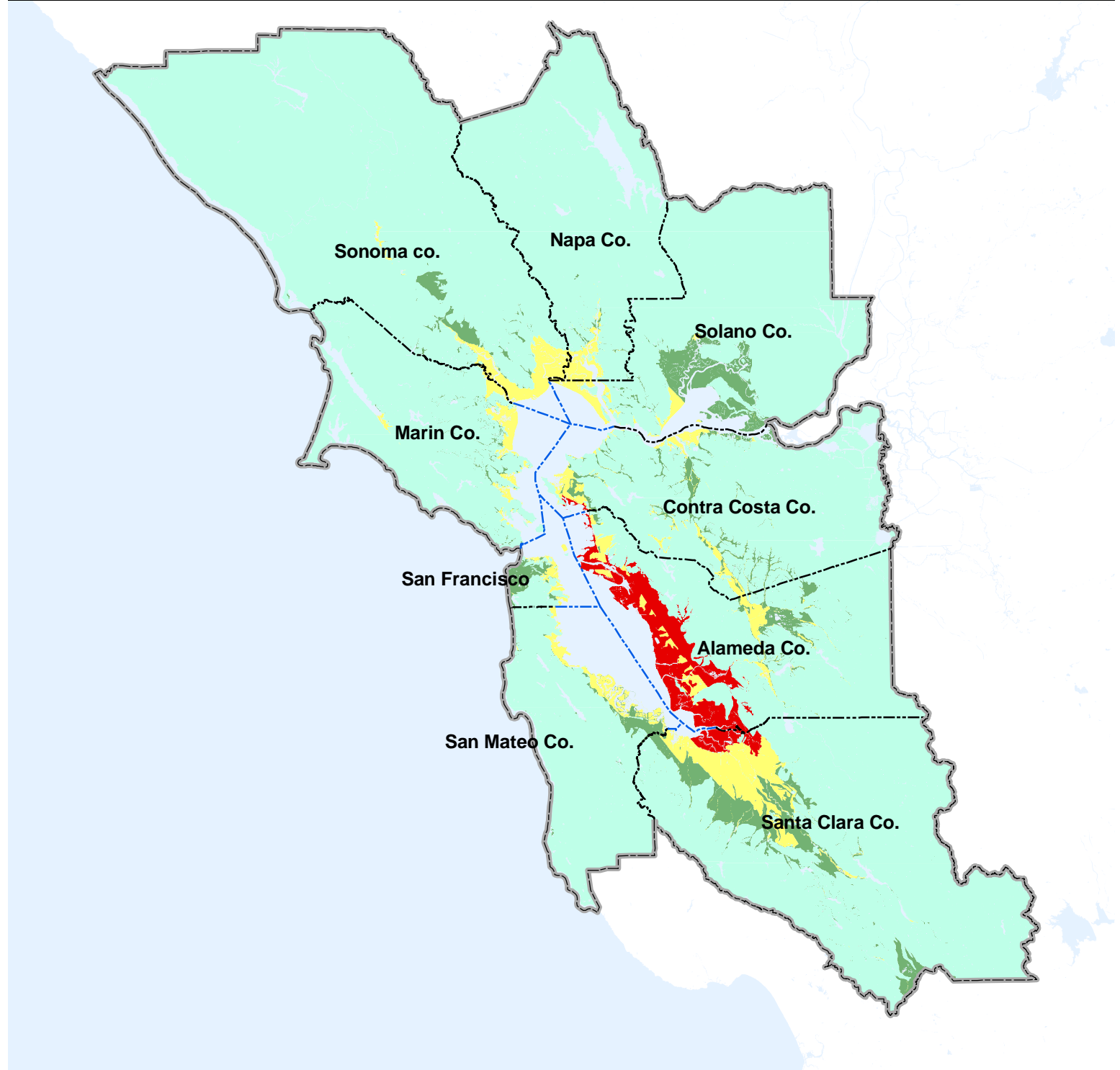


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



North and South Hayward Earthquake - Magnitude 6.9

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

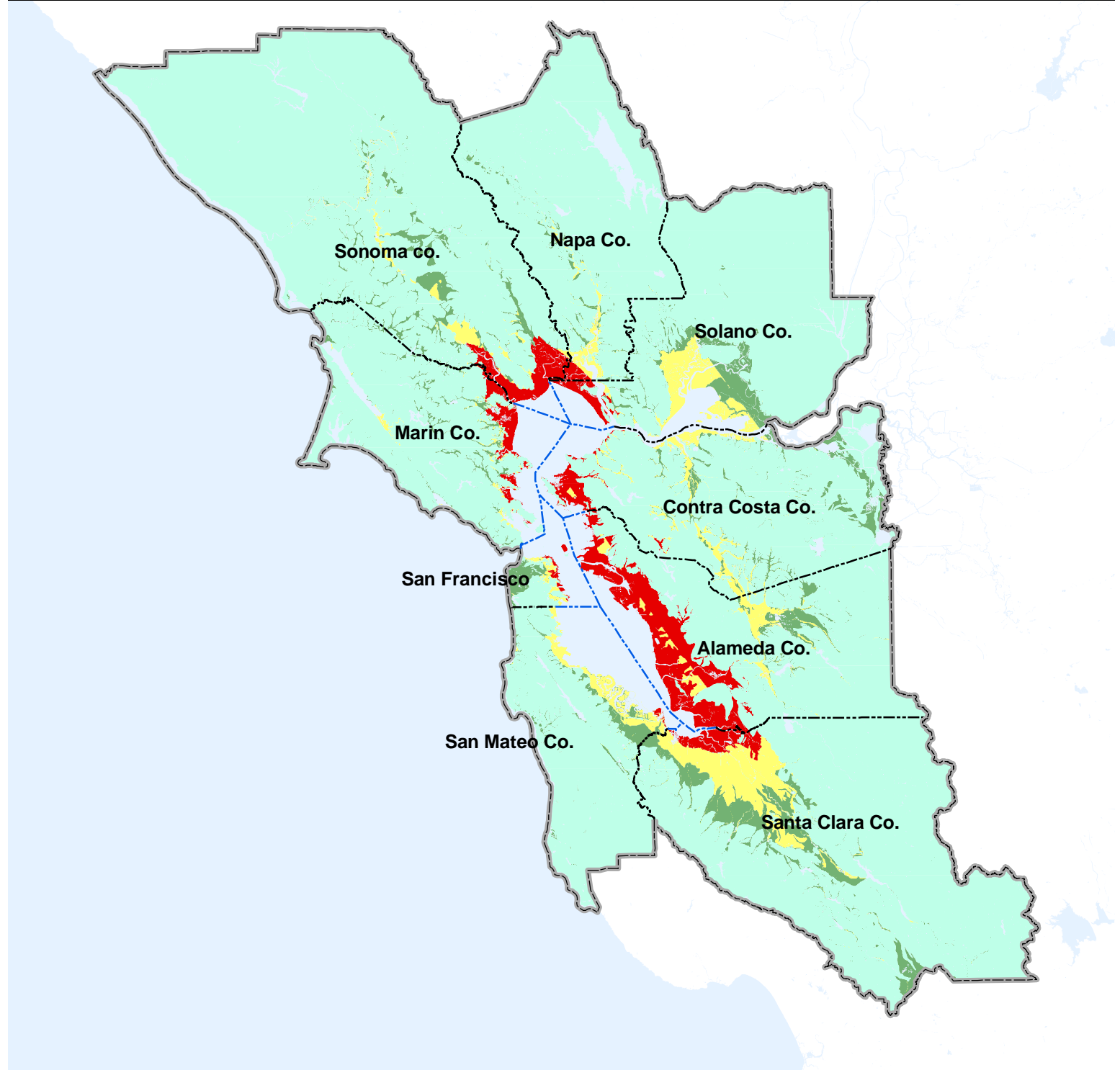


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Northern Calaveras Earthquake - Magnitude 6.8

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low

Major Roads

Local Roads

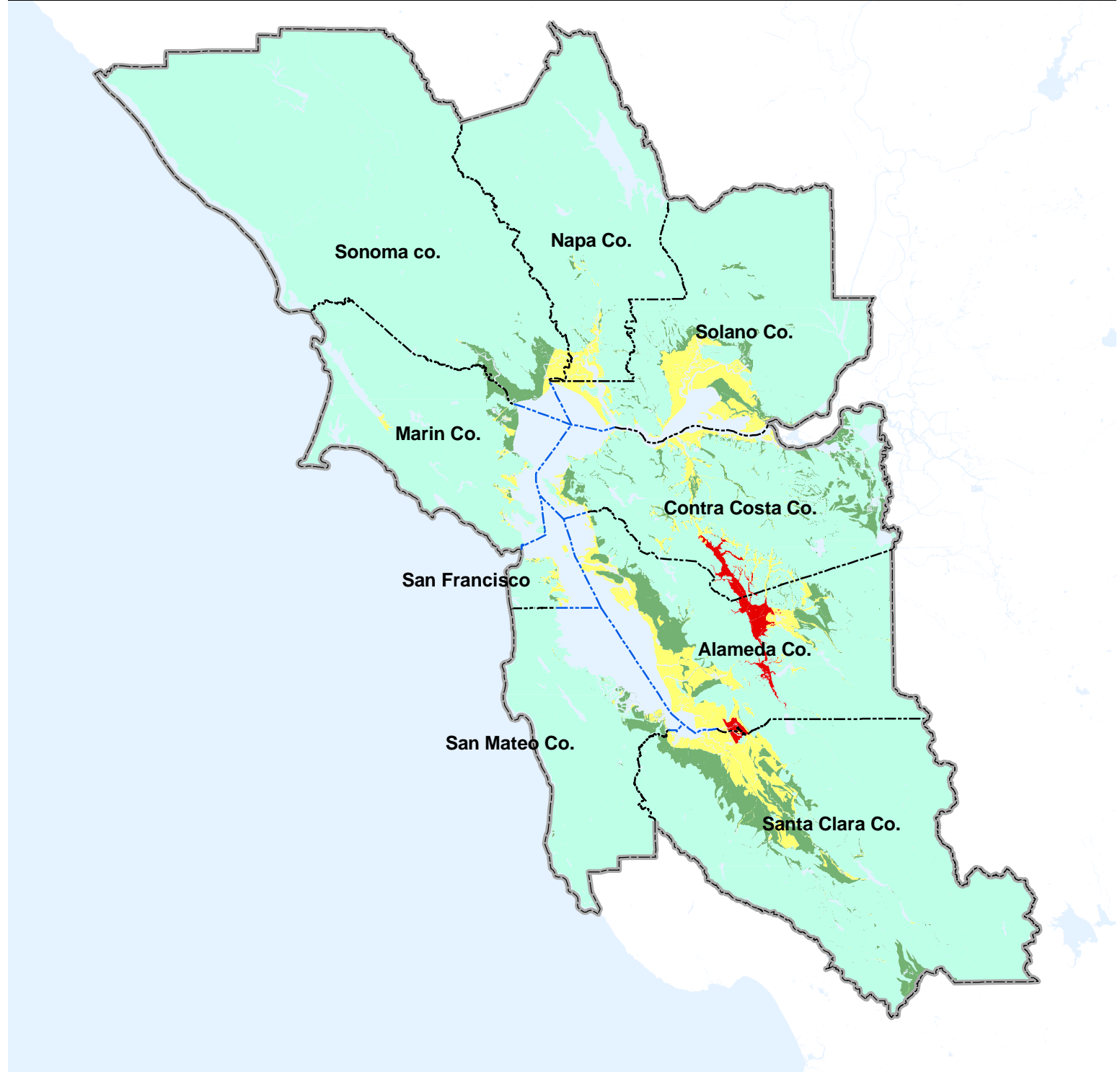


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Central Calaveras Earthquake - Magnitude 6.2

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Maacama Earthquake - Magnitude 6.6

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



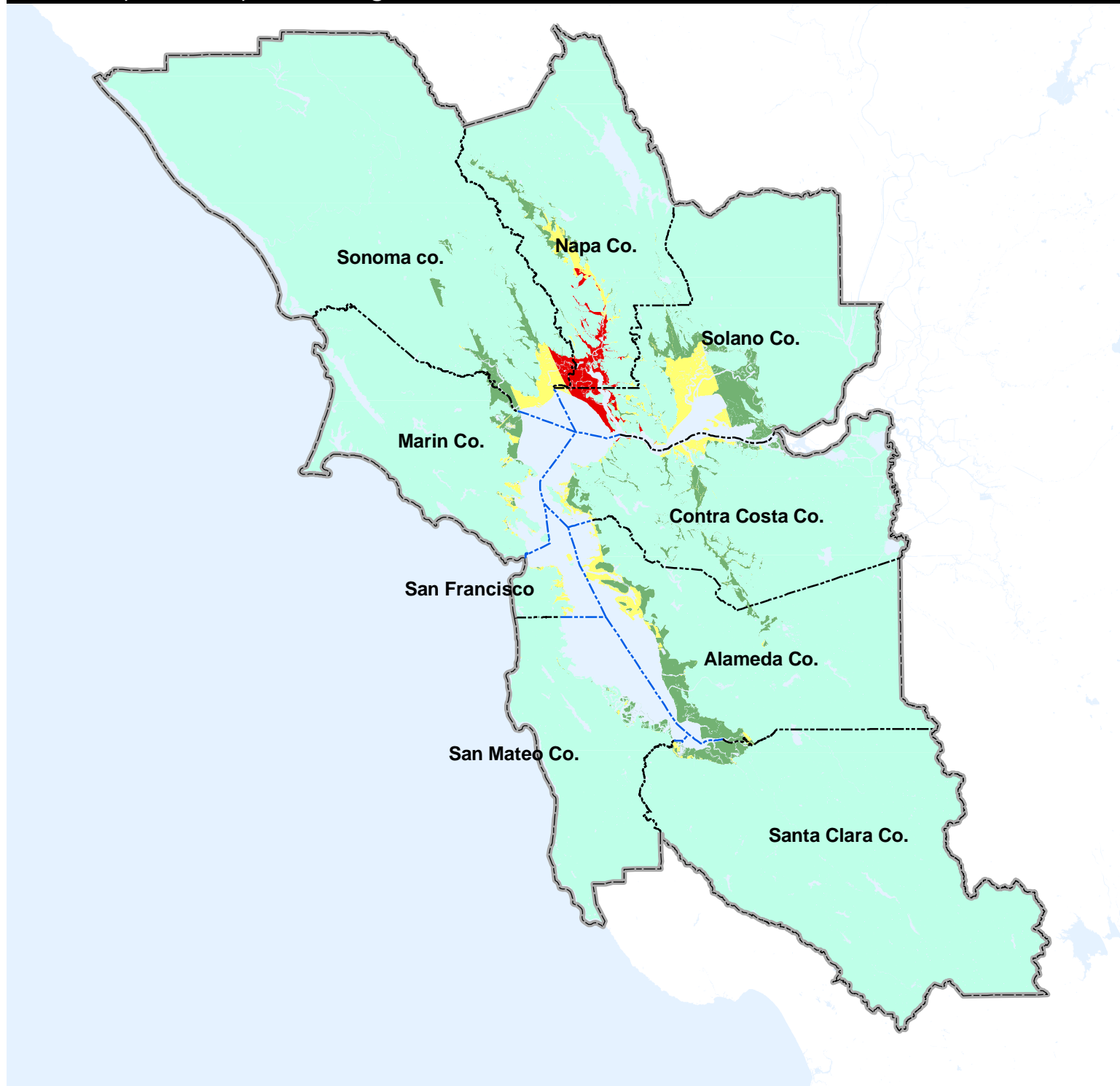
Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001

West Napa Earthquake - Magnitude 6.5



Concord-Green Valley Earthquake - Magnitude 6.7

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

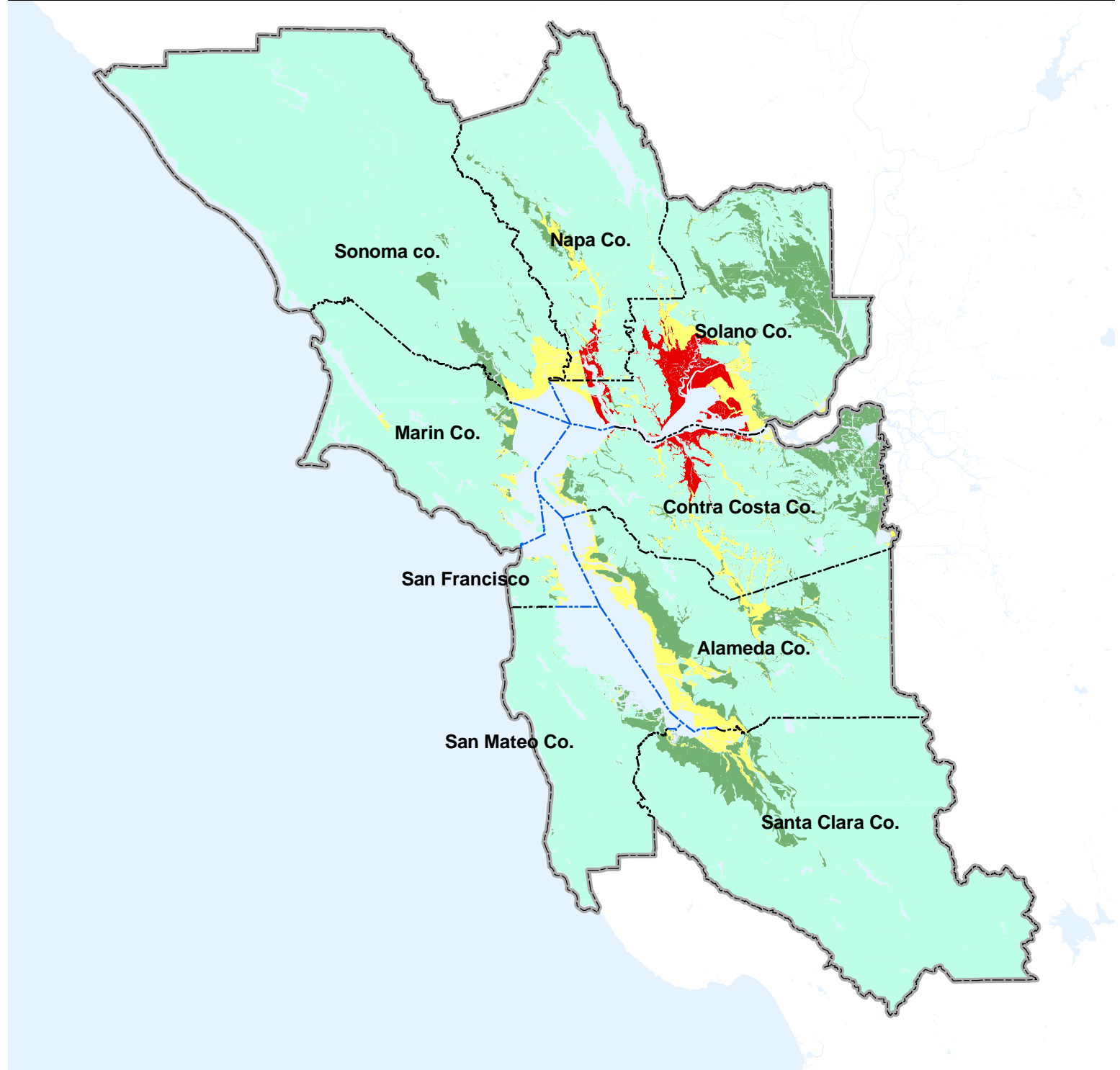


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Greenville Earthquake - Magnitude 6.9

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low

— Major Roads

— Local Roads

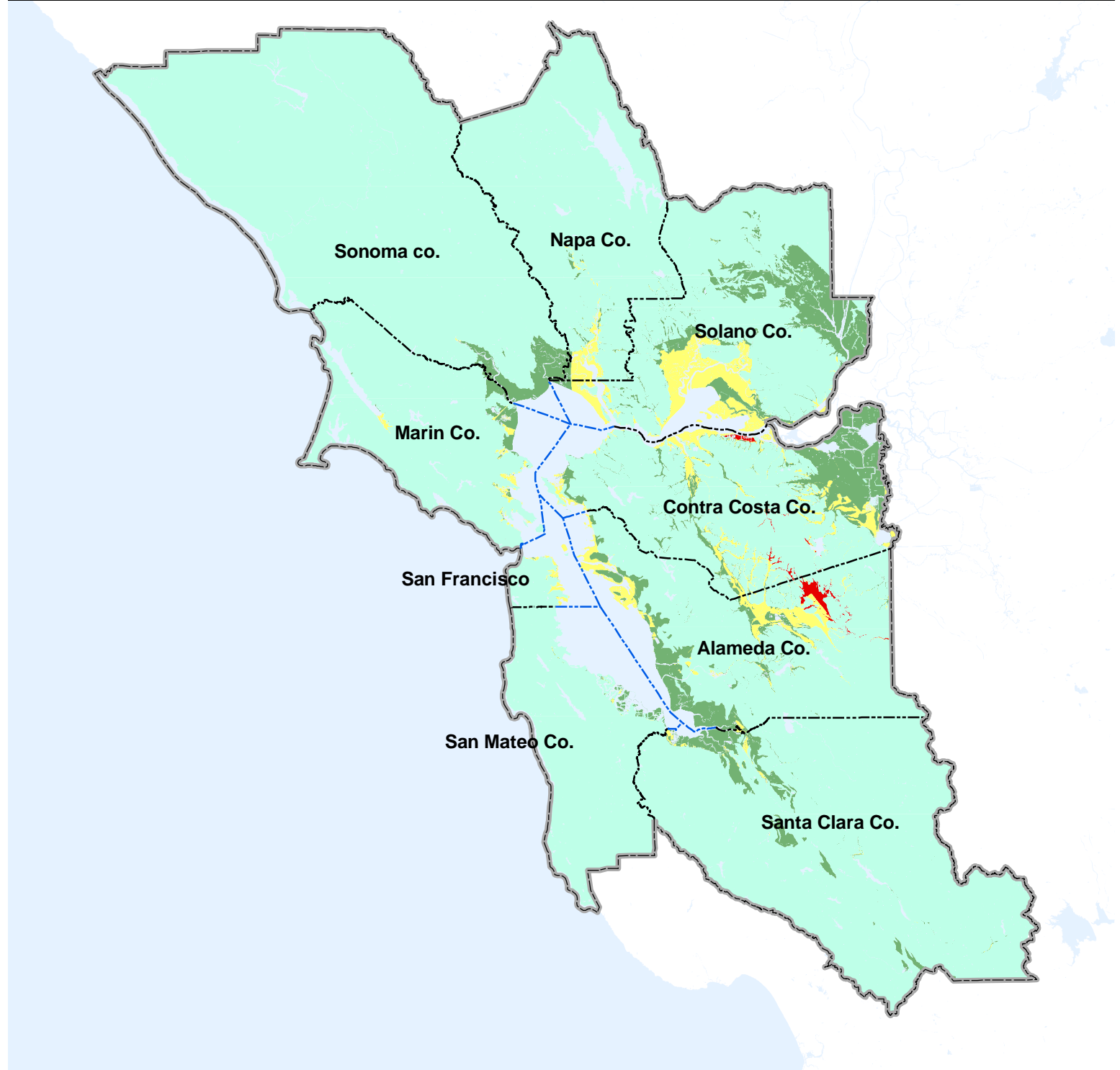


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Mount Diablo Thrust Earthquake - Magnitude 6.7

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads

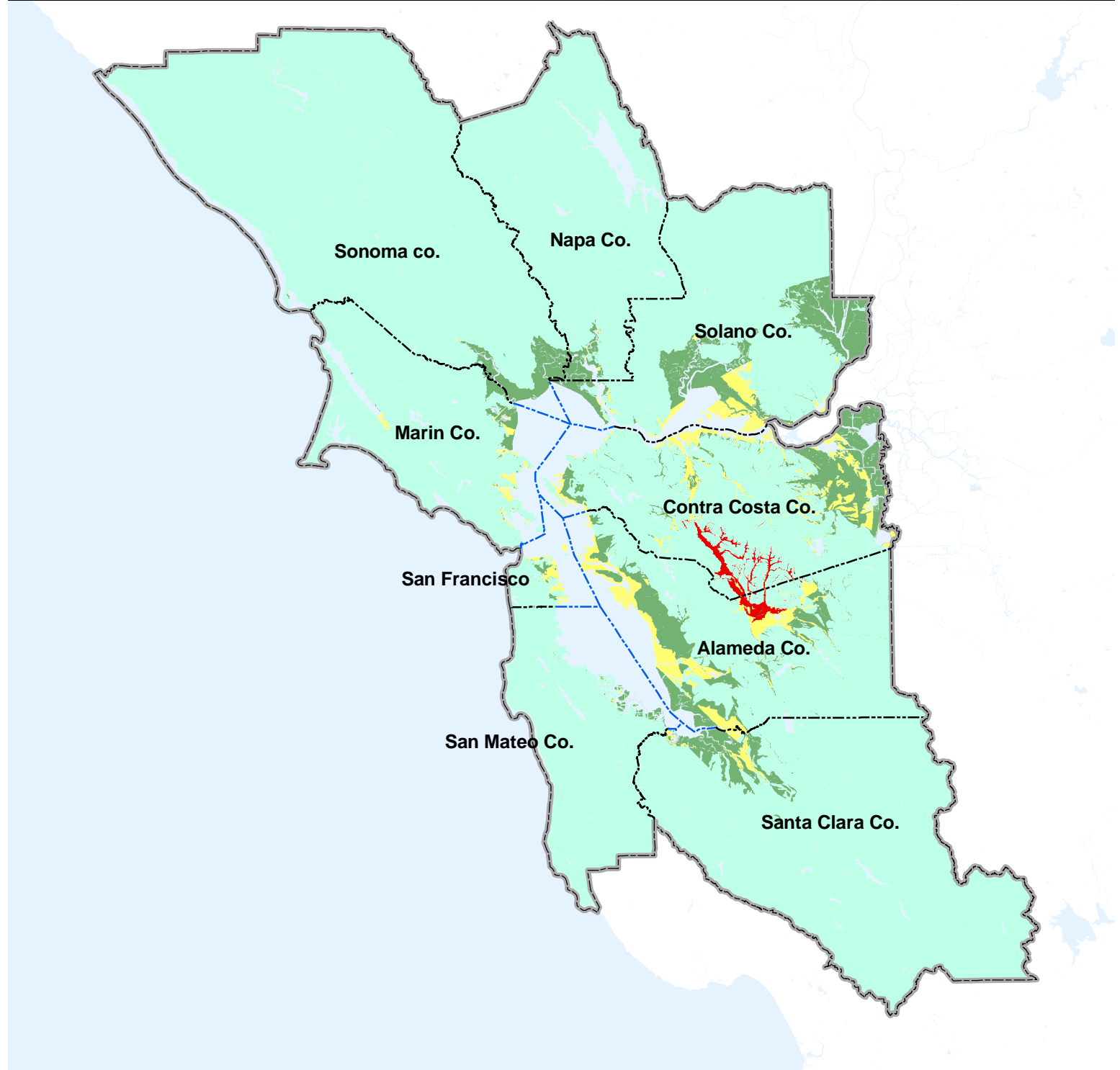


Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.83 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001

Northern San Gregorio Earthquake - Magnitude 7.2



Monte Vista Thrust Earthquake - Magnitude 6.6

Liquefaction Hazard Map

Liquefaction Hazard Level

- High
- Moderate
- Moderately Low
- Very Low
- Major Roads
- Local Roads



Scale: 1 inch equals 18.83 miles





This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community. More detailed maps are needed for site development decisions. Hazard levels may be incorrect by one unit higher or lower

This map is available at
<http://quake.abag.ca.gov>

Source:
 ABAG, 2001



California Geological Survey Seismic Hazard Zones of Required Investigation

-  **Landslide Zones**
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.
-  **Mapping In Progress**
-  **Mapping Planned**
-  **Area Not Yet Evaluated**

1 inch equals 9.30 miles



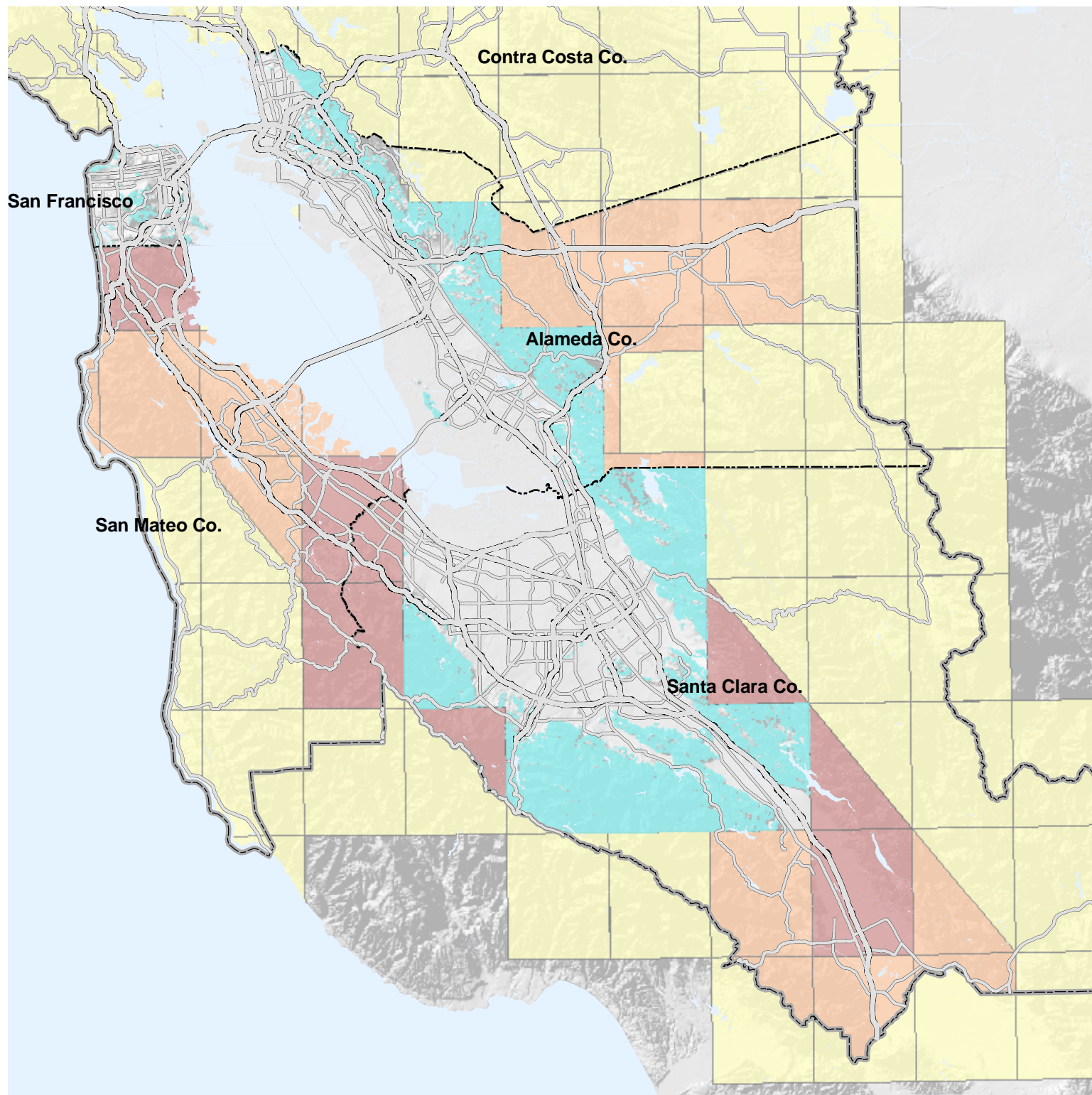
Scale:

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

For more detailed information regarding this map, please visit the CGS website at <http://gmw.consrv.ca.gov/shmp/>


Source:
California Geological Survey, 2004

This map is available at
<http://quake.abag.ca.gov>



Tsunami Evacuation Planning Map for San Francisco & San Mateo Counties

 Tsunami Evacuation Area

 Urbanized Area

Shaded to show topographical relief

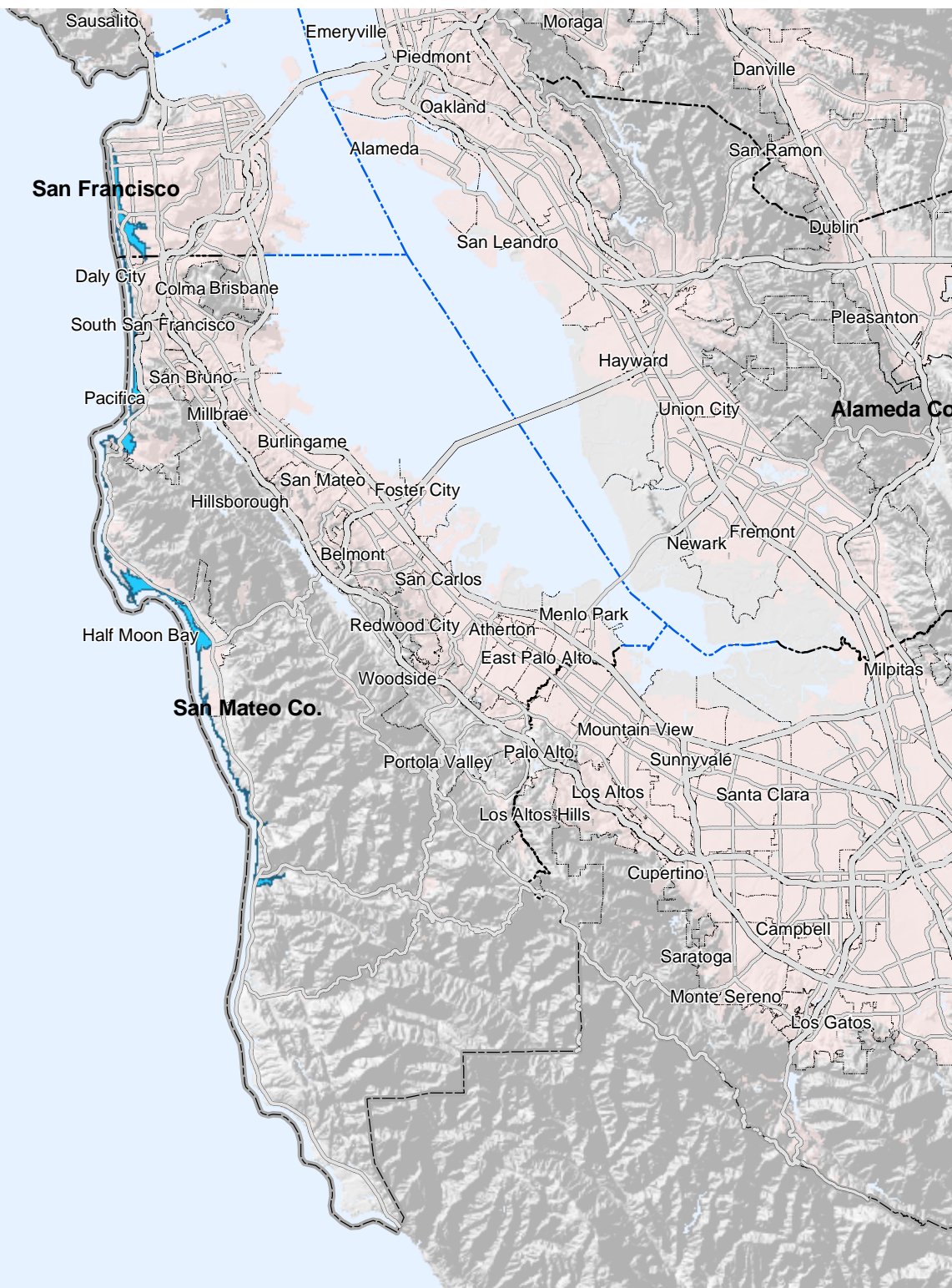


Scale: 1 inch equals 6.83 miles

These tsunami evacuation planning maps for the ocean side of San Francisco and San Mateo counties are based on modeling of potential earthquake sources and hypothetical extreme undersea, near-shore landslide sources. Maximum run-up to a specific contour was determined to be reasonable. This contour is 12.8 meters (42 feet) in these two counties. These maps were produced by OES and are intended for local jurisdictional, coastal evacuation planning uses only. Maps for Marin and Sonoma counties are not yet available. For more information visit <http://quake.abag.ca.gov/tsunami>.




Source: California Office of Emergency Services, Coastal Region

This map is available at
<http://quake.abag.ca.gov>



FEMA Flood Hazard Areas

Flood Hazard Areas

-  Zone V- (100 yr. Flood Zone)
-  Zone A- (100 yr. Flood Zone)
-  Zone X500- (500 yr. Flood Zone or other concerns)

 Urbanized Area

Shaded to show topographical relief

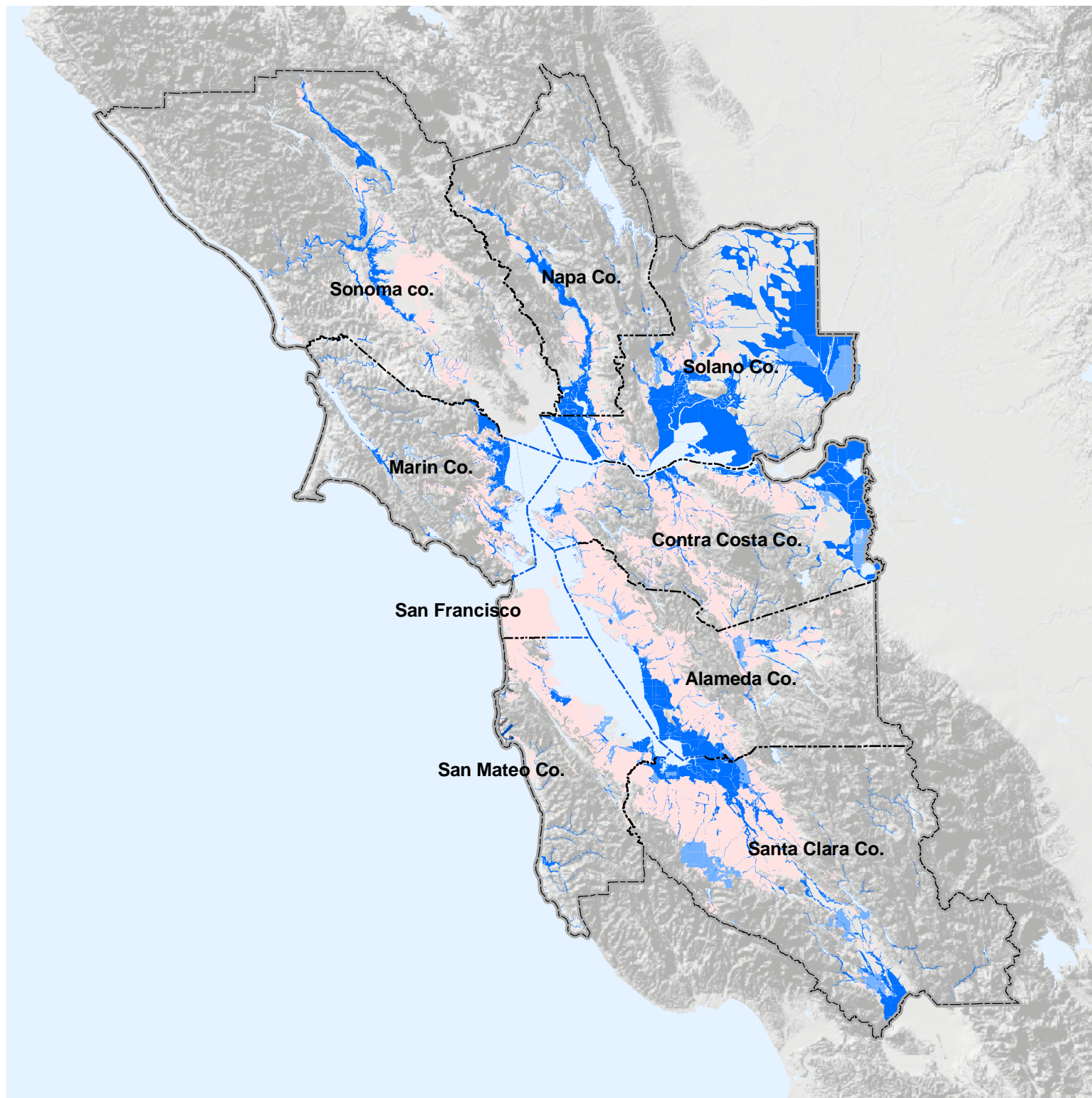
Detailed FEMA Explanation

Flood Zone	Description
Zone V	This code identifies an area inundated by 1% annual chance flooding with velocity hazard (wave action).
Zone A	This code identifies an area inundated by 1% annual chance flooding.
Zone X500	This code identifies an area inundated by 0.2% annual chance flooding; an area inundated by 1% annual chance flooding with average depths of less than 1 foot or with drainage areas less than 1 square mile; or an area protected by levees from 1% annual chance flooding.





Scale: 1 inch equals 18.99 miles

Source: FEMA Q3 Flood Data and ABAG.
The Q3 Flood Data do not replace the existing hardcopy FIRM, or, if one exists, Digital FIRM product. The product has been designed to support planning activities.
A more detailed version of this map is available at <http://quake.abag.ca.gov>



Principal Debris-Flow Source Areas in the San Francisco Bay Region

-  Debris-Flow Source Area
-  Urban Footprint



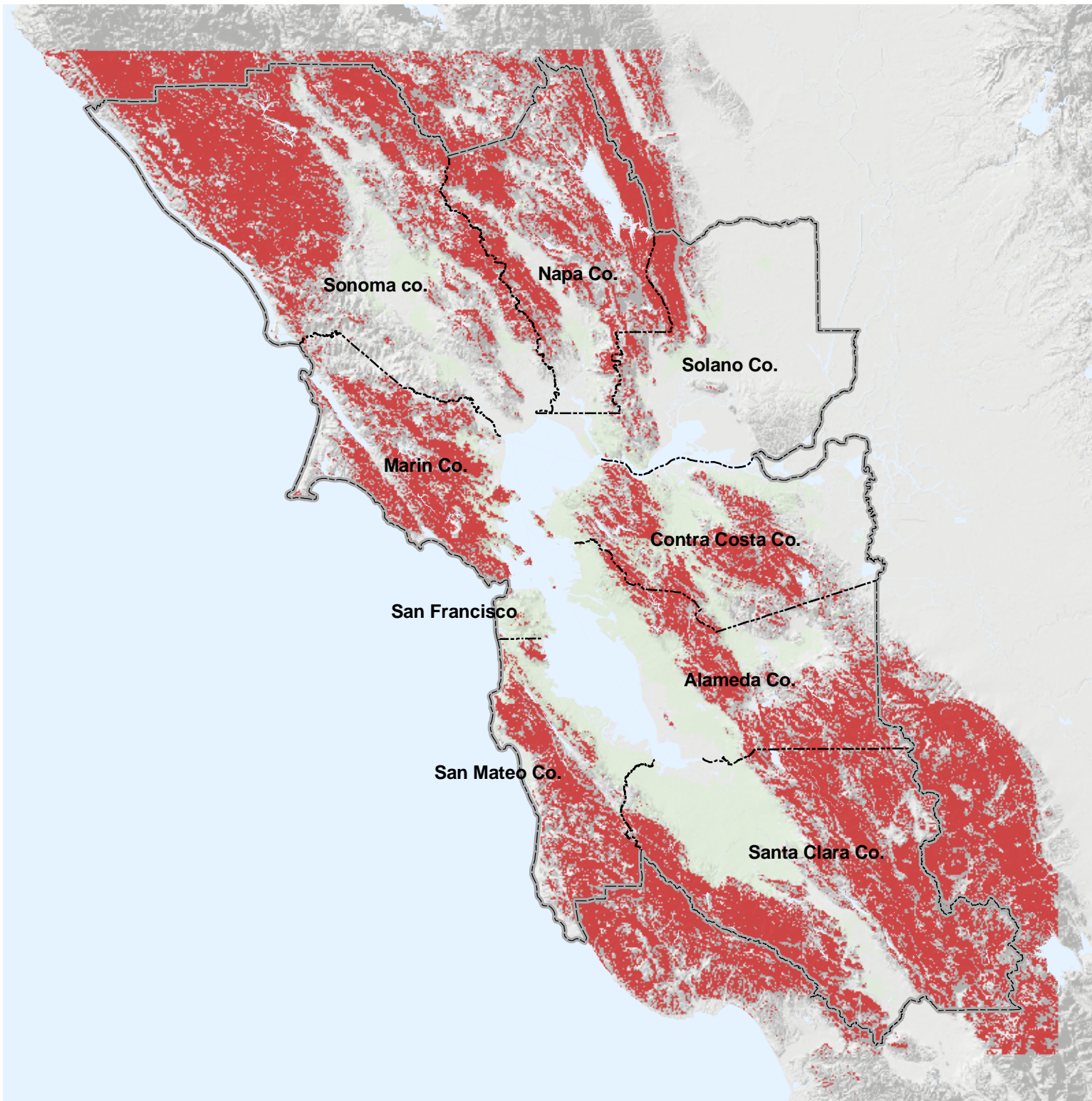
Scale: 1 inch equals 18.75 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at
<http://quake.abag.ca.gov>

For more detailed information regarding this map, please visit the USGS website at
<http://wrgis.wr.usgs.gov/open-file/of97-745/>

Source:
USGS Open File Report 97-745 E, 1997



Summary Distribution of Slides and Earth Flows in the San Francisco Bay Region

- Mostly Landslides
- Many Landslides
- Flatland
- Few Landslides
- Very Few Landslides



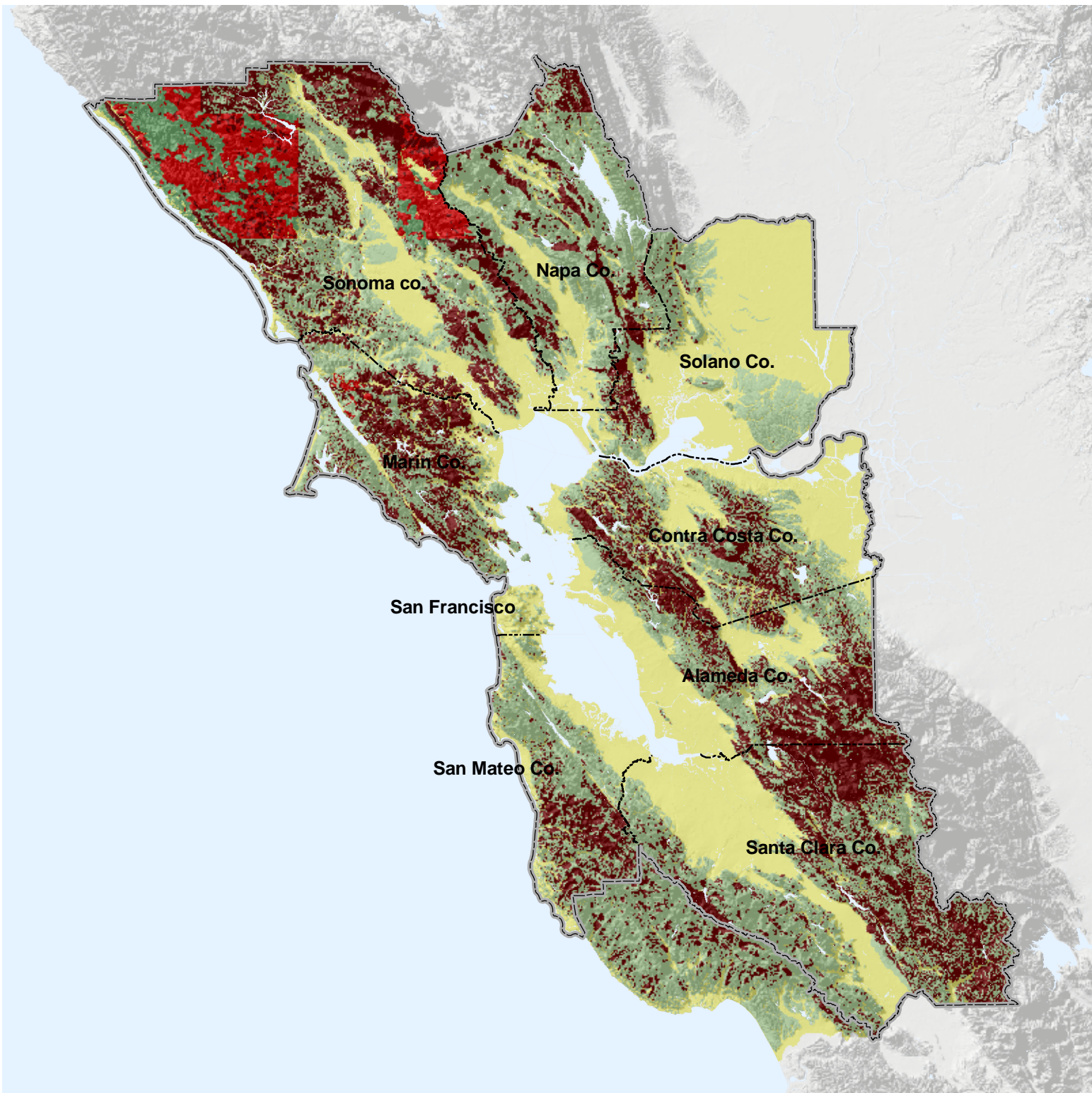
Scale: 1 inch equals 18.67 miles

This map is intended for planning use only, and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at
<http://quake.abag.ca.gov>

For more detailed information regarding this map, please visit the USGS website at
<http://wrgis.wr.usgs.gov/open-file/of97-745/>

Source:
USGS Open File Report 97-745 E, 1997



Wildland Urban Interface - Fire Threatened Communities



Community at Risk



Urbanized Area



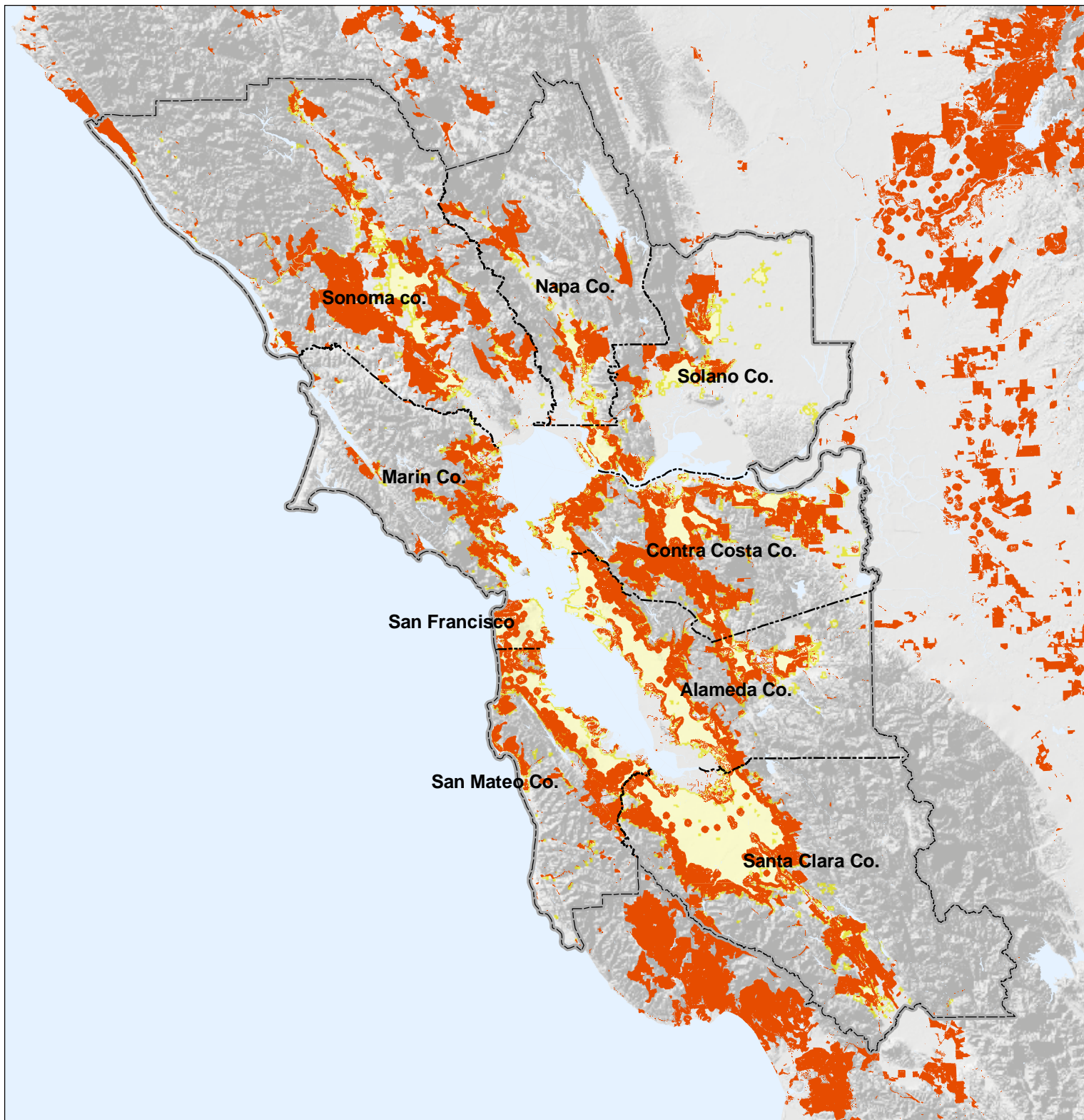
1 inch equals 18.93 miles

Local fire jurisdictions may have identified additional fire hazard areas, especially in communities adjacent to wildland.

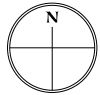
This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at
<http://quake.abag.ca.gov>

Source:
California Department of Forestry
and Fire Protection, 2003



Fire Threat in the San Francisco Bay Region



1 inch equals 18.91 miles

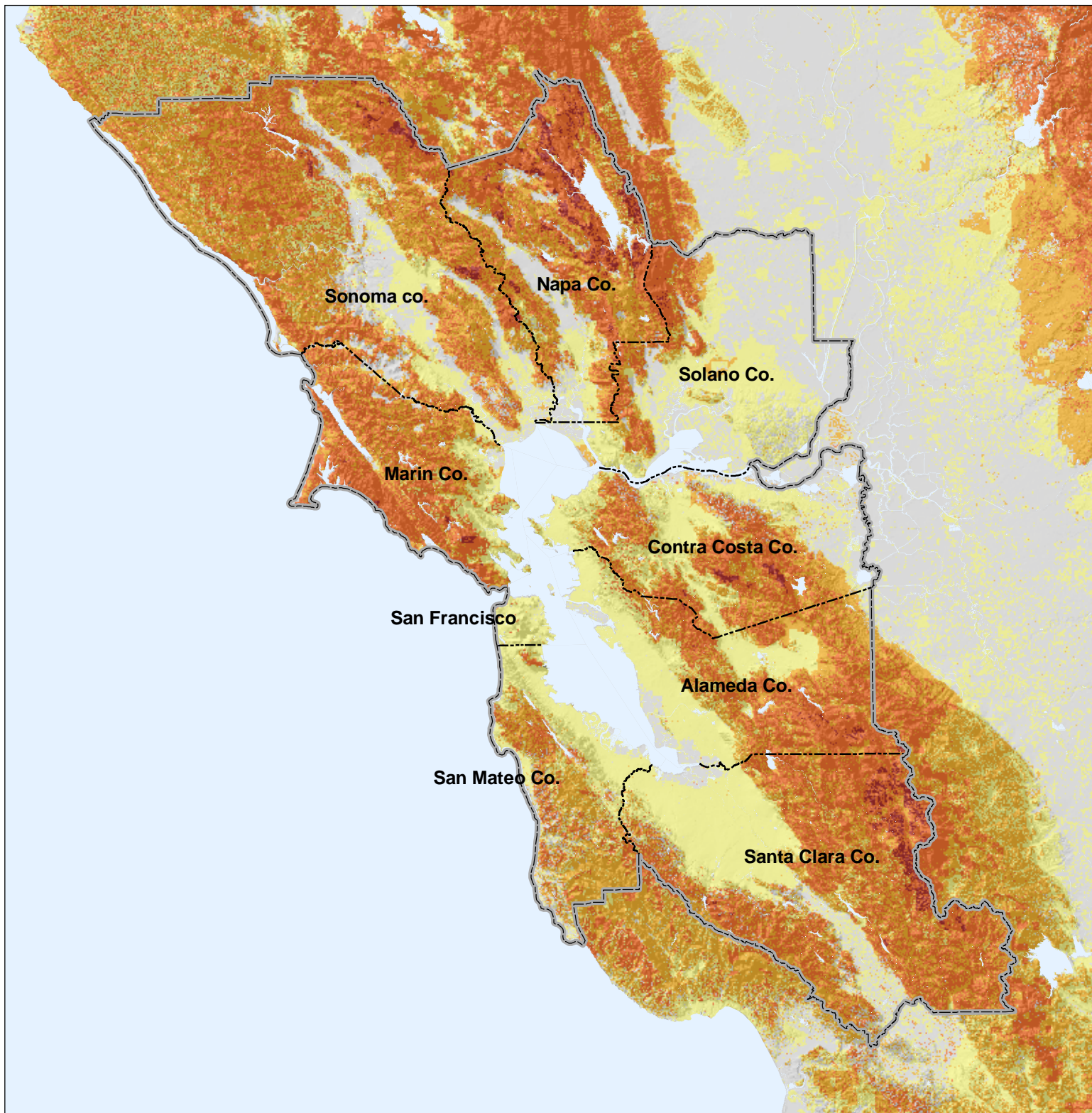
This map focuses on wildland fuels in State Responsibility Areas, that is, where the California Department of Forestry has primary jurisdiction for wildland fire response. Local fire jurisdictions may have identified additional fire hazard areas, especially in communities adjacent to wildland.

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at
<http://quake.abag.ca.gov>


Combines expected fire frequency with potential fire behavior to create 4 threat classes

Source:
 California Department of Forestry
 and Fire Protection, 2003



Fire Perimeters - 1950 to Present

 Fire Perimeter

 Urbanized Area

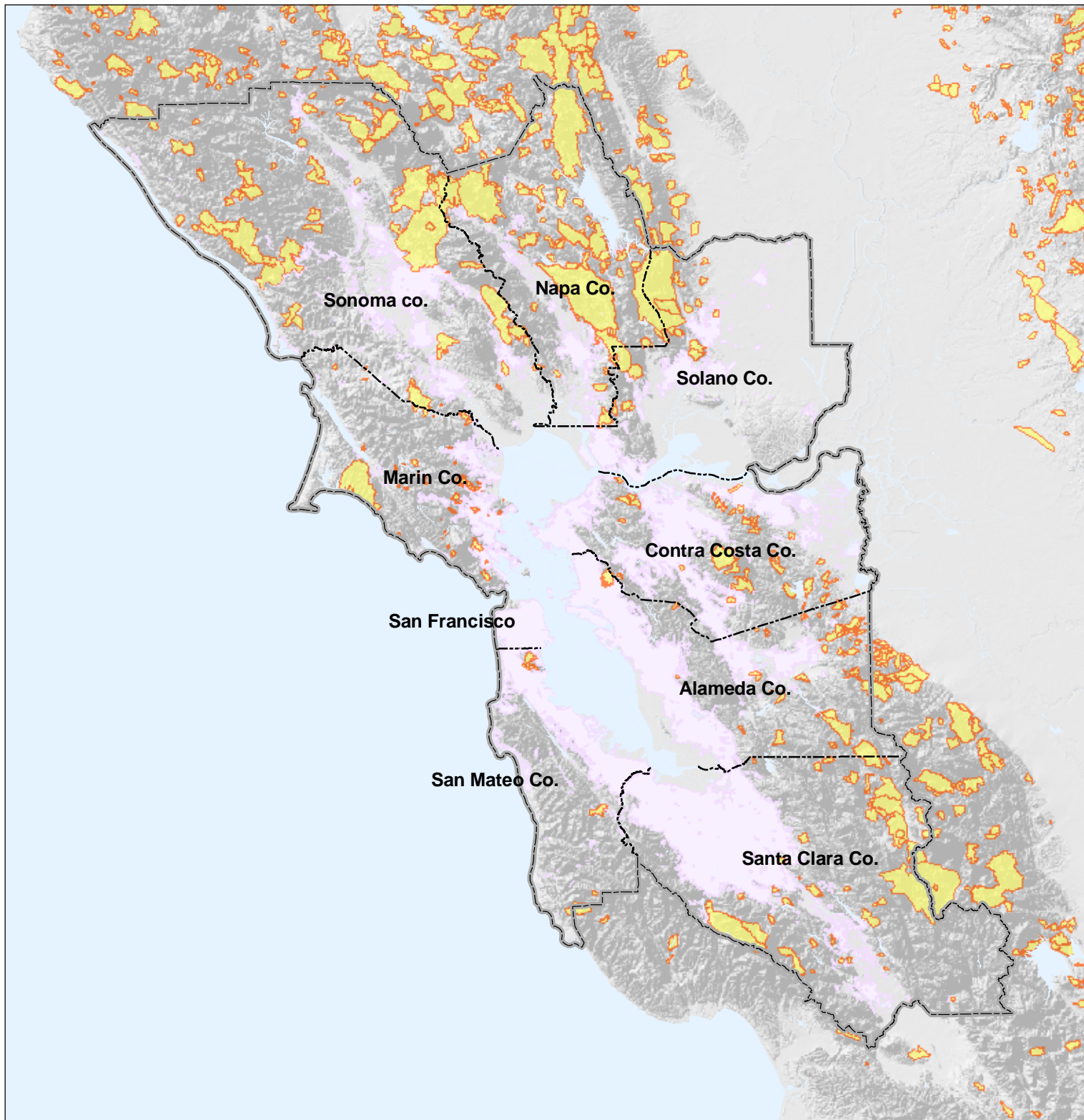


1 inch equals 19.09 miles

This map is intended for planning use only and is not intended to be site-specific. Rather, it depicts the general risk within neighborhoods and the relative risk from community to community.

This map is available at <http://quake.abag.ca.gov>

Source:
California Department of Forestry
and Fire Protection, 2004



Distribution of Wildland-Urban Interface Housing Unit Density

- Rural (1 unit/5 acres to 1 unit/20 acres)
- Interface (1 unit/acre to 1 unit/5 acres)
- Urban (greater than 1 unit/acre)

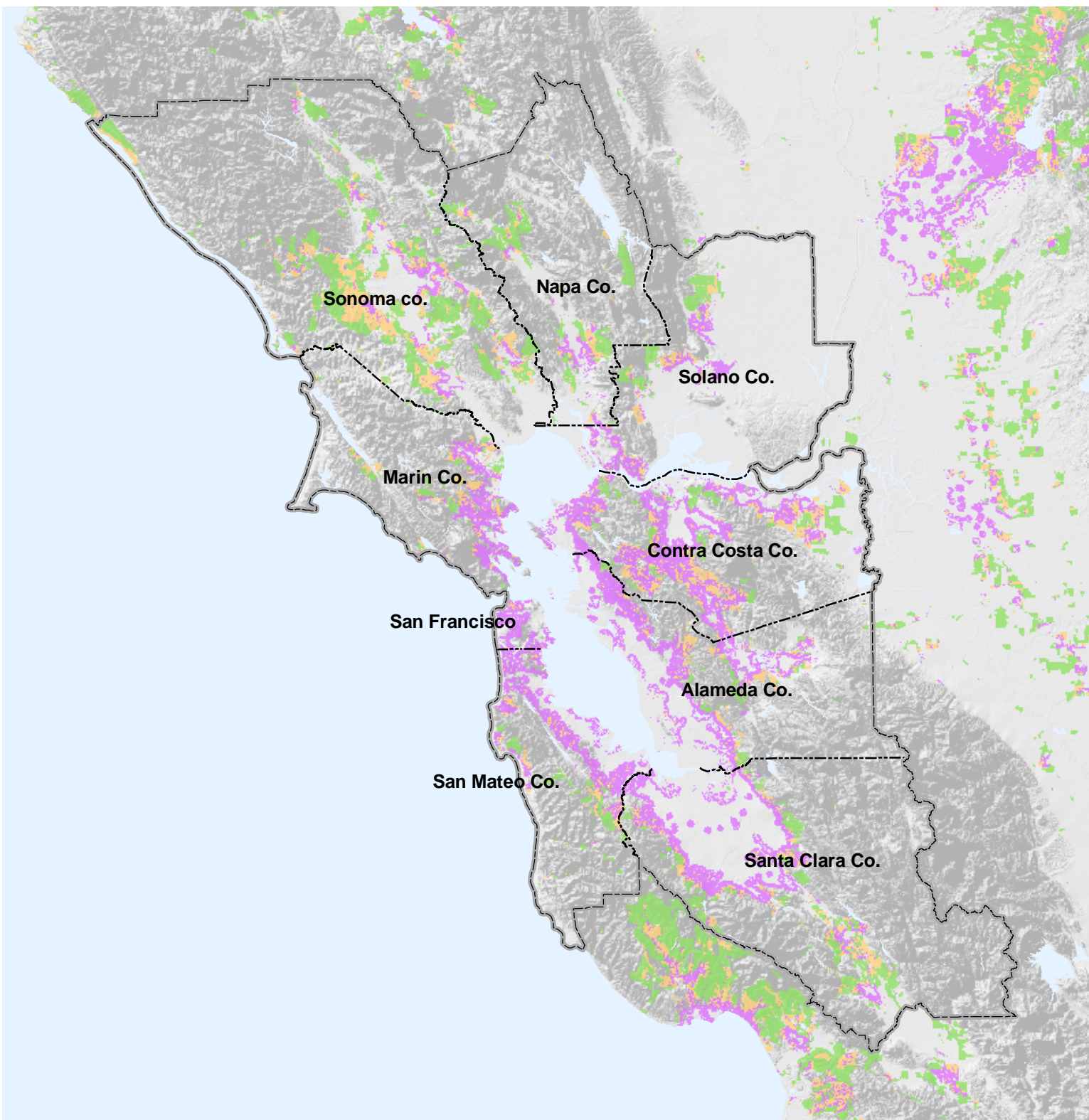


1 inch equals 18.88 miles

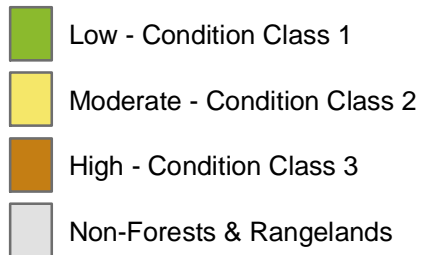
This map is intended for planning use only.

Map is available at
<http://quake.abag.ca.gov>

Source:
 California Department of Forestry
 and Fire Protection, 2003
<http://frap.cdf.ca.gov/>



Fire-related Risks to Ecosystem Health as Measured by Condition Class



1 inch equals 18.65 miles

Condition Classes are defined as the relative risk of losing key components that define an ecosystem (Hardy et al., 2001).

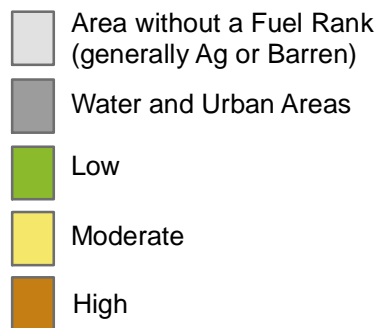
This map is intended for planning use only.

Map is available at
<http://quake.abag.ca.gov>

Source:
California Department of Forestry
and Fire Protection, 2003
<http://frap.cdf.ca.gov/>



Post-Wildfire Soil Erosion Potential



1 inch equals 17.68 miles

This map is based on data created by CDF's Fire and Resource Assessment Program that shows estimated erosion potential after a wildfire, based on the Universal Soil Loss Equation.

This map is intended for planning use only and is not intended to be site specific.








Map is available at
<http://quake.abag.ca.gov>

Source:
 California Department of Forestry
 and Fire Protection, 2004
<http://frap.cdf.ca.gov/>



Dam Failure Inundation Areas

Areas that can be inundated
by any one of:

-  5 different dams
-  4 different dams
-  3 different dams
-  2 different dams
-  1 dam only
-  Urbanized Area
-  Dam Location

Shaded to show topographical relief



Scale: 1 inch equals 18.74 miles

This map is intended for planning use only
and is not intended to be site specific.
Rather it depicts the general risk within
neighborhoods and the relative risk from
community to community.

This hazard map is generalized from maps
dam owners are required to prepare and file
with the State Office of Emergency Services.

Source: ABAG, 1995

This map is available at
<http://quake.abag.ca.gov>

